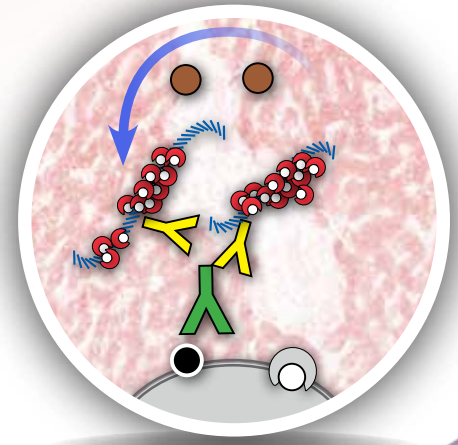
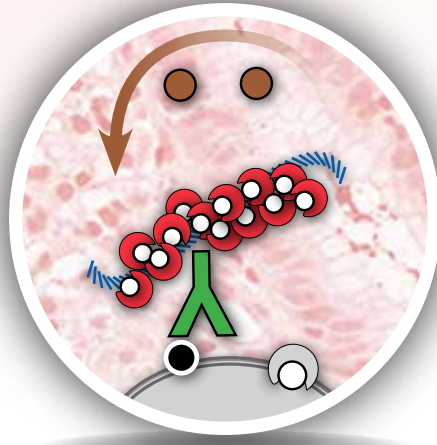
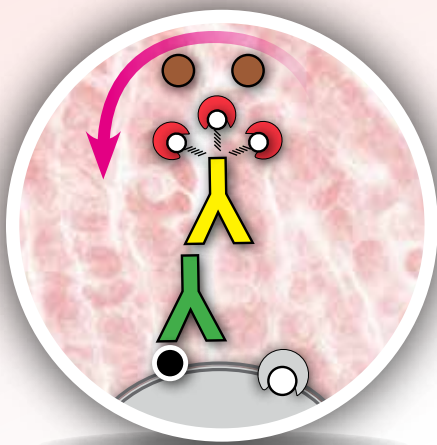
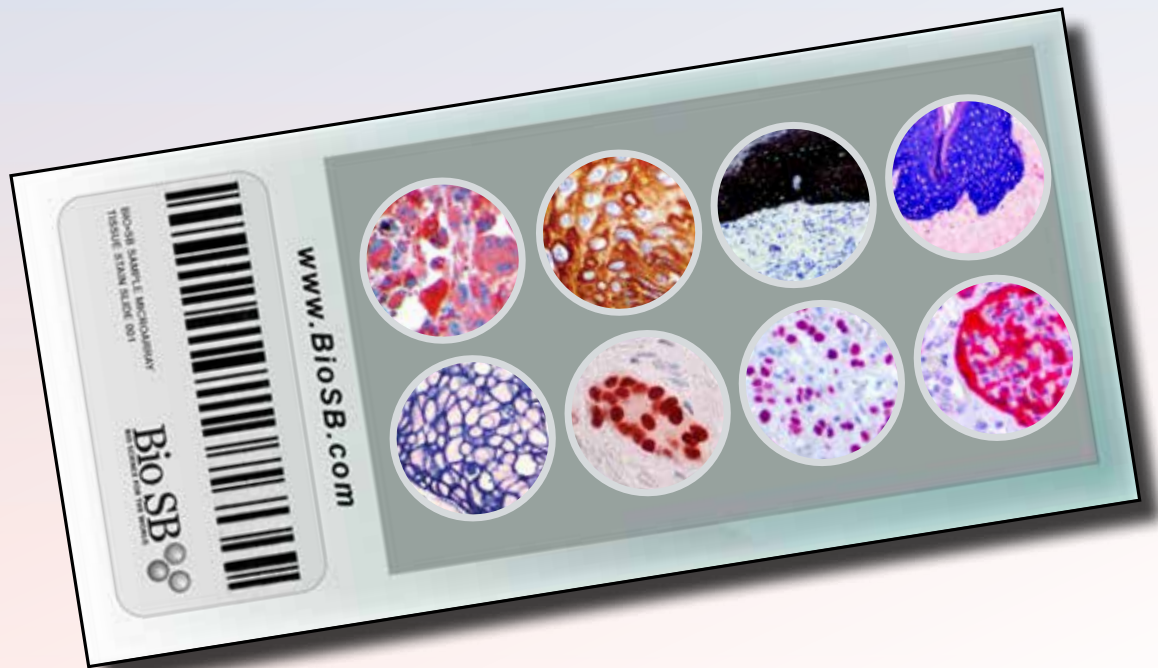


# IMMUNOHISTOCHEMISTRY DETECTION SYSTEMS

ImmunoDetector | PolyDetector | PolyDetector Plus



*A wide array of highly sensitive Biotin & Fab Micropolymer based detection systems.*

*For use in clinical and research applications.*

Bio SB offers the molecular pathology community a robust and diverse array of Biotin and Fab Micropolymer based detection systems for use in both research and clinical laboratories. With a variety of Biotin/ Streptavidin & Fab Micropolymer detection chemistries, Bio SB is sure to have a detection system to meet your needs. Paired with the large array of Bio SB antibodies, chromogens, and ancillaries, Bio SB offers laboratories a sensitive and versatile catalog of IHC products at a competitive price.

## Presentation

All Bio SB Detection systems are manufactured according to US FDA and ISO guidelines to ensure a high quality In-vitro diagnostic kit. All Bio SB detection systems come complete with an endogenous enzyme blocker, Biotin/ Fab Micropolymer link (if applicable), AP or HRP labeled Streptavidin or Fab Micropolymer, and 10 substrate-chromogens of choice.



1

Endogenous  
Enzyme Blocker

2

Biotin or Fab  
Micropolymer  
(if applicable)

3

HRP or  
AP Label

4

Substrate-  
Chromogen

## Bio SB Antibodies

Complement your Bio SB Detection chemistry with a selection of over 460 IVD and ASR antibodies from Bio SB. All antibodies are available concentrate or prediluted and validated for use with Bio SB detection systems.

### Tinto Prediluted Antibodies

3 mL Tinto Predilute (30 tests)  
7 mL Tinto Predilute (70 tests)  
15 mL Tinto Predilute (150 tests)

- No need for antibody titering or optimization.
- Compatible with Biotin or Fab Micropolymer based detection systems.

### Concentrated Antibodies

0.1 mL Concentrate  
0.5 mL Concentrate  
1 mL Concentrate

- Cost effective solution.
- Compatible with Biotin or Fab Micropolymer based detection systems.
- Can be optimized to meet the needs of each laboratory.



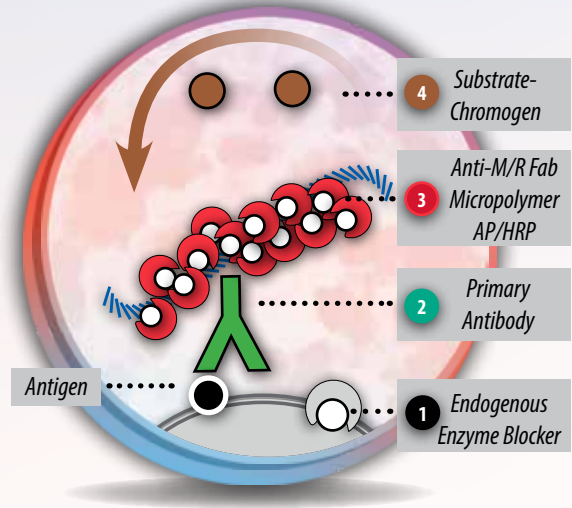
Tinto Prediluted antibodies & control slides  
3mL, 7mL, and 15mL presentations

# PolyDetector

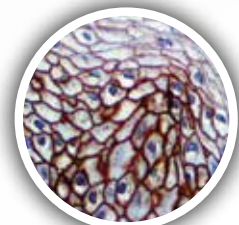
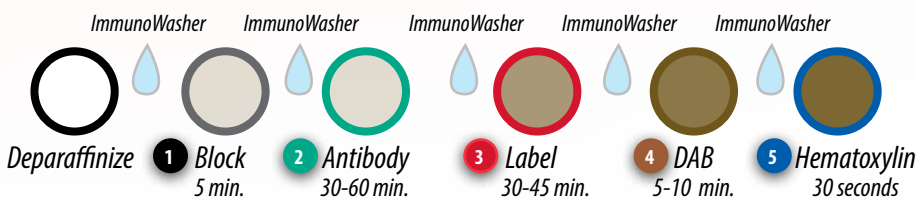
The Bio SB PolyDetector is a non-Biotin, Fab Micropolymer detection system that allows for the demonstration of antigens in formalin-fixed paraffin-embedded tissues, cryostat sections, blood smears, cytospins, and cell preparations. The PolyDetector technology was developed and is manufactured with a proprietary Micropolymer backbone conjugated to Anti-Mouse and Anti-Rabbit Fab Ig's plus high quality HRP or AP enzymes. The elimination of the Anti-Mouse and Anti-Rabbit immunoglobulin Fc region reduces non-specific reactions. This ensures consistent and reproducible immunostaining for all types of nuclear, cytoplasmic and membranous antigens, in different types of tissues. The increased sensitivity of this system allows for rapid staining procedures without compromising stain quality.

## PolyDetector HRP/AP Overview

- Non-Biotin, Fab Micropolymer AP or HRP, 1-Step immunohistochemistry detection technology.
- Fab Micropolymer detection technology allows for better cell penetration to deliver a highly specific and sensitive signal.
- Ready-to-use, high sensitivity system especially designed for immunohistochemistry of formalin-fixed paraffin-embedded or frozen tissues.
- Universal: detects mouse or rabbit antibodies.
- Can be used with DAB HRP Brown, AEC HRP Red, HRP Green, HRP Blue and HRP Black substrate-chromogen for HRP kits.
- Can be used with ALK Red, ALK Blue, ALK Magenta, ALK Brown, ALK Scarlet substrate-chromogens for AP kits.
- For in vitro diagnostic use. All kits manufactured according to US FDA and ISO 13485 guidelines.



## Recommended DAB Protocol

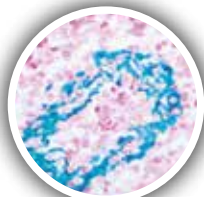


GLUT-1 RMAb DAB  
Protocol Time 85 Minutes

## Presentations & Volumes

### PolyDetector DAB HRP Brown

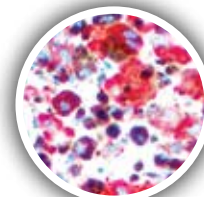
Volume	Catalog #
15 mL	BSB 0201
50 mL	BSB 0203
100 mL	BSB 0205
200 mL	BSB 0207
1000 mL	BSB 0207A



Actin SM  
HRP Green

### PolyDetector AEC HRP Red

Volume	Catalog #
15 mL	BSB 0202
50 mL	BSB 0204
100 mL	BSB 0206
200 mL	BSB 0208
1000 mL	BSB 0208A



S-100  
AEC HRP Red

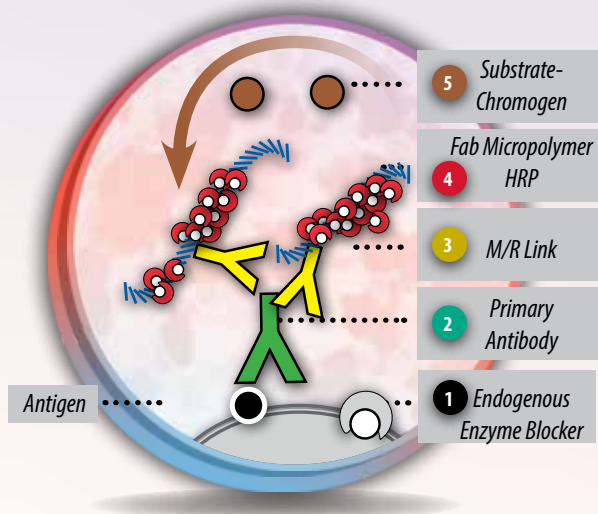
### PolyDetector AP Kits

Volume	Catalog #
15 mL	BSB 0282
50 mL	BSB 0283
100 mL	BSB 0284
200 mL	BSB 0285
1000 mL	BSB 0286

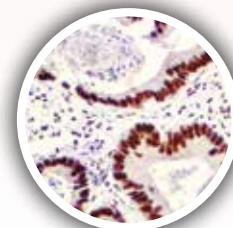
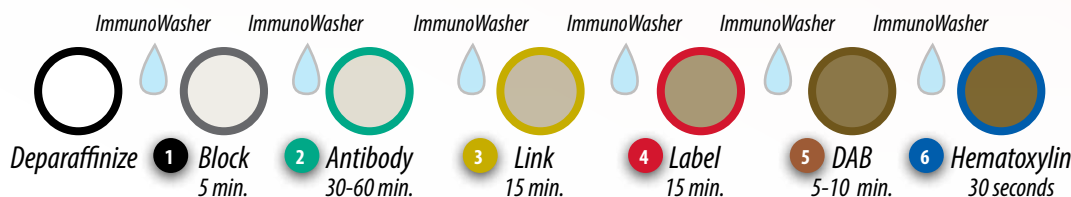
The Bio SB PolyDetector Plus system is a highly sensitive non-Biotin, Fab Micropolymer detection system that allows for the demonstration of antigens in formalin-fixed paraffin-embedded tissues, cryostat sections, blood smears, cytosmears, and cell preparations. The PolyDetector Plus technology was developed and is manufactured with a proprietary Micropolymer backbone conjugated to Anti-Mouse and Anti-Rabbit Fab Ig's plus high quality HRP or AP enzymes. The elimination of the Anti-Mouse and Anti-Rabbit immunoglobulin Fc region reduces non-specific reactions. The PolyDetector Plus kit incorporates an Immunoglobulin link and a Fab Micropolymer label. This multiple component Fab Micropolymer delivers a highly sensitive and specific signal in a shorter time-frame than the PolyDetector.

## PolyDetector Plus HRP Overview

- Non-Biotin, Fab Micropolymer HRP 2-Step immunohistochemistry detection technology.
- Fab Micropolymer detection technology allows for better cell penetration to deliver a highly specific and sensitive signal.
- Ready-to-use, high sensitivity system especially designed for immunohistochemistry of formalin-fixed paraffin-embedded or frozen tissues.
- Universal: detects mouse or rabbit antibodies.
- Can be used with DAB HRP Brown, AEC HRP Red, HRP Green, HRP Blue and HRP Black substrate-chromogen for HRP kits.
- For in vitro diagnostic Use. All kits manufactured according to US FDA and ISO 13485 guidelines.

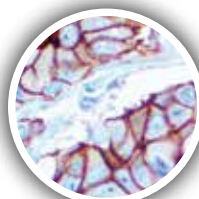


## Recommended DAB Protocol



**MSH 2 RMAb DAB**  
Protocol Time 70 Minutes

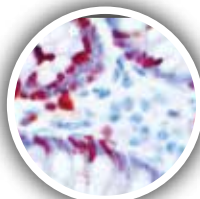
## Presentations & Volumes



**HER-2 RMAb**  
DAB HRP Brown

### PolyDetector Plus DAB HRP Brown

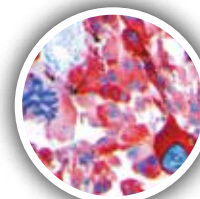
Volume	Catalog #
15 mL	BSB 0257
50 mL	BSB 0259
100 mL	BSB 0261
200 mL	BSB 0263
1000 mL	BSB 0265



**Ki-67**  
AEC HRP Red

### PolyDetector Plus AEC HRP Red

Volume	Catalog #
15 mL	BSB 0258
50 mL	BSB 0260
100 mL	BSB 0262
200 mL	BSB 0264
1000 mL	BSB 0266



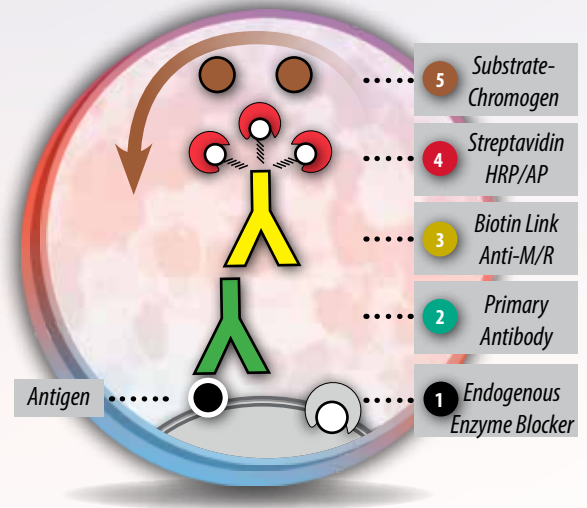
**S-100 Beta**  
AEC HRP Red

# ImmunoDetector

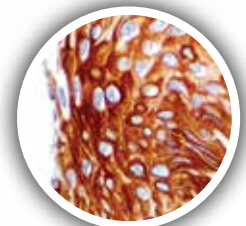
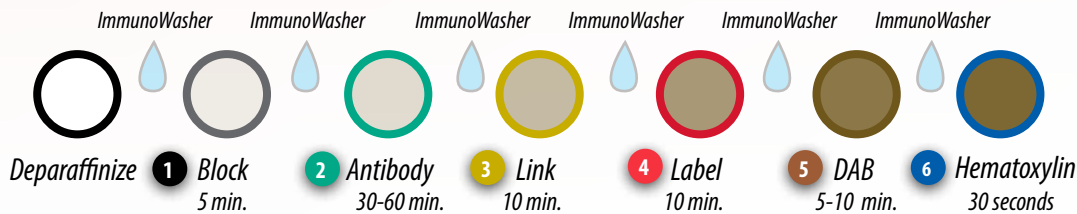
The Bio SB ImmunoDetector is a highly sensitive Biotin-Streptavidin detection system that allows for the demonstration of antigens in formalin-fixed paraffin-embedded tissues, cryostat sections, cytosmears, and cell preparations. The ImmunoDetector Detection System is a universal detection system which is suitable for use with mouse or rabbit primary antibodies. The increased sensitivity of the ImmunoDetector Detection System allows for rapid staining procedures without compromising the quality of stains. Compared with competing avidin-biotin based detection systems, the immunodetector generates higher sensitivity and specificity at a competitive price.

## Bio SB ImmunoDetector Overview

- Biotin-Streptavidin AP or HRP, 2-Step immunohistochemistry detection technology.
- Ready-to-use, high sensitivity system especially designed for immunohistochemistry of formalin-fixed paraffin-embedded or frozen tissues.
- Universal: detects mouse or rabbit antibodies.
- Can be used with DAB HRP Brown, AEC HRP Red, HRP Green, HRP Blue and HRP Black substrate-chromogen for HRP kits.
- Can be used with ALK Red, ALK Blue, ALK Magenta, ALK Brown, ALK Scarlet substrate-chromogens for AP kits.
- For in vitro diagnostic use. All kits manufactured according to US FDA and ISO 13485 guidelines.



## Recommended DAB Protocol

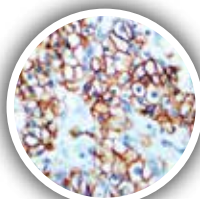


**CK 14 RAb**  
Protocol Time 60 Minutes

## Presentations & Volumes

### ImmunoDetector DAB HRP Brown

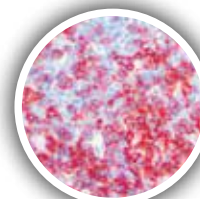
Volume	Catalog #
15 mL	BSB 0001
50 mL	BSB 0003
100 mL	BSB 0005
200 mL	BSB 0007
1000 mL	BSB 0009



**Carbonic Anhydrase**  
DAB HRP Brown

### ImmunoDetector AEC HRP Red

Volume	Catalog #
15 mL	BSB 0002
50 mL	BSB 0004
100 mL	BSB 0006
200 mL	BSB 0008
1000 mL	BSB 0010



**CD3 Epsilon**  
AEC HRP Red

### ImmunoDetector AP

Volume	Catalog #
15 mL	BSB 0082
50 mL	BSB 0083
100 mL	BSB 0084
200 mL	BSB 0085
1000 mL	BSB 0086

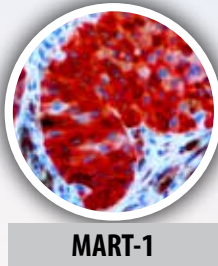
Bio SB substrate-chromogens are highly sensitive chromogens that are optimized for use in immunohistochemistry. Multiplex IHC users can pair Bio SB AP & HRP PolyDetector systems with any combination of AP & HRP substrate-chromogens to detect multiple antigens on a tissue. Ideal for both clinical and research settings.

## HRP Substrate-Chromogens

### DAB HRP Brown

2 component substrate-chromogen

Volume	Catalog #
15 mL	BSB 0015
50 mL	BSB 0016
100 mL	BSB 0017
200 mL	BSB 0018
1000 mL	BSB 0018B



### AEC HRP Red

Ready-to-use substrate-chromogen

Volume	Catalog #
15 mL	BSB 0011
50 mL	BSB 0012
100 mL	BSB 0013
200 mL	BSB 0014
1000 mL	BSB 0061



### HRP Green

2 component substrate-chromogen

Volume	Catalog #
15 mL	BSB 0128
50 mL	BSB 0129
100 mL	BSB 0130
200 mL	BSB 0131
1000 mL	BSB 0133

### HRP Black

2 component substrate-chromogen

Volume	Catalog #
15 mL	BSB 0087
50 mL	BSB 0088
100 mL	BSB 0089
200 mL	BSB 0090A
1000 mL	BSB 0090C



### HRP Blue

2 component substrate-chromogen

Volume	Catalog #
15 mL	BSB 0143
50 mL	BSB 0144
100 mL	BSB 0145
200 mL	BSB 0146
1000 mL	BSB 0148

## AP Substrate-Chromogens

### Alk Blue

Ready-to-use substrate-chromogen

Volume	Catalog #
15 mL	BSB 0062
50 mL	BSB 0063
100 mL	BSB 0064
200 mL	BSB 0065
1000 mL	BSB 0066



### Alk Red

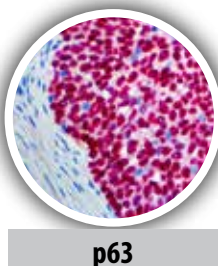
Ready-to-use substrate-chromogen

Volume	Catalog #
15 mL	BSB 0067
50 mL	BSB 0068
100 mL	BSB 0069
200 mL	BSB 0070
1000 mL	BSB 0071

### Alk Brown

Ready-to-use substrate-chromogen

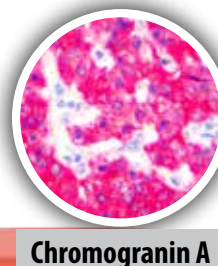
Volume	Catalog #
15 mL	BSB 0072
50 mL	BSB 0073
100 mL	BSB 0074
200 mL	BSB 0075
1000 mL	BSB 0076



### Alk Scarlet

2 component substrate-chromogen

Volume	Catalog #
15 mL	BSB 0138
50 mL	BSB 0139
100 mL	BSB 0140
200 mL	BSB 0141
1000 mL	BSB 0142



### Alk Magenta

3 component substrate-chromogen

Volume	Catalog #
15 mL	BSB 0077
50 mL	BSB 0078
100 mL	BSB 0079
200 mL	BSB 0080
1000 mL	BSB 0081

## ChromoProtector



Volume	Catalog #
15 mL	BSB 0151
50 mL	BSB 0152
100 mL	BSB 0153
200 mL	BSB 0154
1000 mL	BSB 0156

Great for stabilizing signals of AEC HRP Red, HRP Green, ALK Red, ALK Magenta, Alk Brown. Has the ability to allow permanent mounting of these substrate-chromogens.

Bio SB Inc.

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