



ELISpot

Protein Detector™ ELISpot Kits

Protein Detector ELISpot kits are designed to provide complete, flexible systems for conducting ELISpot assays with any matched pair of antibodies. For the beginner or the more experienced researcher, these kits are ideal due to their comprehensive reagents and optimized protocol.

Convenience

Each kit contains all reagents for ELISpot detection except for matched antibody pairs (unlabeled coating and biotinylated antibody). Stable, ready-to-use, one-component substrates and uncoated Multiscreen® PVDF Plates are included. Other kit components are supplied as concentrates; simply dilute and use.

Stability

All kit reagents are stable for a minimum of one year, providing reliable signal development and consistently low background.

Visualization

Visualizing immunospots has never been easier with the exceptional localization and resolution provided by kit substrates. For sharp localization and fine resolution of bright blue immunospots, choose the HRP kit with TrueBlue™ substrate. For excellent visibility from a dark purple precipitate, choose the AP kit with BCIP/NBT substrate.

Flexibility

Universal nature of reagents allows kits to be used with any matched pair of antibodies. Since labeled streptavidin is compatible with any biotinylated antibody, the researcher simply provides the antibody pair for detection of different cytokines or other secreted proteins. Additional flexibility is offered through two kit formats. Choose between the HRP kit with TrueBlue or the AP kit with BCIP/NBT.

Image above. Mouse spleen cells secreting IFN-gamma were detected in ELISpot with either BCIP/NBT (top rows) or TrueBlue Substrate (bottom rows).



Where Better Science Begins

Protein Detector HRP and AP ELISpot Kits

Protein Detector™ ELISpot Kits offer pretested reagents and a convenient, optimized protocol for ELISpot protein detection via either horseradish peroxidase (HRP) or alkaline phosphatase (AP) detection systems. With all necessary reagents except the paired antibody set (unlabeled capture antibody and biotinylated detection antibody), this kit allows for minimal time and effort in developing a sensitive and reproducible ELISpot assay. Provided conjugates can detect any biotinylated antibody making these reagents easily interchangeable with any matched antibody pair.

Kit contents:

- Chromogenic Substrate
 - HRP Kit: *TrueBlue*
 - AP Kit: *BCIP/NBT*
- Labeled Streptavidin
 - HRP Kit: *Peroxidase labeled Streptavidin*
 - AP Kit: *Phosphatase labeled Streptavidin*
- 5 Multiscreen PVDF Plates, 96-well
- Coating Solution Concentrate
- BSA Blocking/Diluent Solution Concentrate
- Washing Solution Concentrate



Comparison of Substrates for ELISpot

Substrate	Format	Enzyme	Color Development	Sensitivity
TrueBlue	1-C	HRP	Blue	√√√√
BCIP/NBT	1-C	AP	Dark Purple	√√
AEC	2-C	HRP	Red	√√

C= Component √=Least sensitive √√√√=Most Sensitive

Ordering Information

Catalog#	Description	Size
40-00-05	Protein Detector HRP ELISpot Kit	5 plates
50-00-05	Protein Detector AP ELISpot Kit	5 plates

Each kit includes substrate (TrueBlue or BCIP/NBT), HRP or AP-labeled Streptavidin, 5 Multiscreen PVDF Plates, 96-well, Coating Solution Concentrate, BSA Blocking/Diluent Solution Concentrate, and Washing Solution Concentrate.

To order or for more information on KPL's full line of protein and nucleic acid detection products, contact us at 800.638.3167 / 301.948.7755, FAX 301.948.0169 or visit us at www.kpl.com.

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Related Products

*TrueBlue Peroxidase Substrate
Catalog No. 71-00-64
Size: 50 mL

*BCIP/NBT Substrate (1-Comp)
Catalog No. 50-81-18
Size: 100 mL

HRP-labeled Streptavidin
Catalog No. 474-3000
Size: 1.0 mL

AP-labeled Streptavidin
Catalog No. 475-3000
Size: 1.0 mL

*BSA Diluent/Blocking
Solution Concentrate
Catalog No. 50-61-00
Size: 200 mL

Coating Solution Concentrate
Catalog No. 50-84-00
Size: 50 mL

Wash Solution Concentrate
Catalog No. 50-63-00
Size: 800 mL

* Other sizes available

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