

Caution: For Laboratory Use. A research reagent for research purposes only

IgG (Protein A based) Detection Kit

Product No.: 6760617C/M/R

Lot No.: 2167288

Material Provided

Format:	6760617C	500 Assay Points
	6760617M	10000 Assay Points
	6760617R	50000 Assay Points

Note: The number of assay points is based on a final bead concentration of 20 µg/mL in a 25 µL/well reaction volume.

Manufacturing Date: June 24, 2016

Kit Components:

Component	6760617C	6760617M	6760617R
Protein A Acceptor Beads at 5 mg/mL in 0.1M Tris, 0.05% Proclin-300, pH 8.0	1 x 50 µL (6760136)	1 x 1 mL (6760137)	1 x 5 mL (6760137B)
Streptavidin Donor Beads at 5 mg/mL in 0.1M Tris, 0.05% Proclin-300, pH 8.0	1 x 50 µL (6760007)	1 x 1 mL (6760008)	1 x 5 mL (6760008B)
Biotinylated-rIgG at 0.05 µM in 1X PBS, 0.1% BSA, 0.05% Proclin-300, pH 7.2	1 x 50 µL (6760264)	1 x 50 µL (6760264)	1 x 50 µL (6760264)
10x Buffer : 1M Tris, 0.1% Tween-20, 0.05% Proclin-300, pH 8.0	1 x 1.5 mL (6760028G)	1 x 1.5 mL (6760028G)	1 x 1.5 mL (6760028G)

Product Information

Antibody/Protein:	The Protein A acceptor beads are coated with Protein A. Protein A binds the Fc region of many IgG.
Stability:	This product is stable for at least 9 months from the manufacturing date if used and stored under recommended conditions.
Storage Conditions:	Store undiluted at 4°C protected from light. Freeze-thaw is not recommended and can cause the beads to form aggregates.
Recommended use:	AlphaScreen® Donor beads are light-sensitive. All Alpha assays using the Donor beads should be performed under subdued laboratory lighting (< 100 lux). Green filters (LEE 090 filters (preferred) or Roscolux filters #389 from Rosco) can be applied to light fixtures.

For additional information on running AlphaScreen® assays or on potential interfering compounds, please visit our website: www.perkinelmer.com/AlphaTech

Quality Control

AlphaScreen® maximum signal, minimum signal and EC₅₀ are determined using a biotinylated-rIgG titration assay performed on an EnVision® HTS Alpha detection instrument. We certify that these results meet our requirements.

<u>TEST</u>	<u>RESULTS</u>
Maximum signal	676937
Minimum signal	684
EC ₅₀	0.18 nM

Recommended Assay Conditions

Note: This protocol provides a method to verify kit performance and is not representative of an assay. Sufficient biotinylated-probe and 10x buffer is provided to perform 3 titration curves in triplicate as described.

1x Buffer:	Add 500 µL 10x buffer to 4.5 mL Milli-Q® H ₂ O (or equivalent). Add 5 mg BSA (0.1% final concentration) and adjust pH to 8.0.
Acceptor Beads:	Add 5 µL Protein A Acceptor beads to 245 µL 1x buffer.
Donor beads:	Add 5 µL Streptavidin Donor beads to 245 µL 1x buffer.
Biotinylated-probe:	From the 0.05 µM biotinylated-rIgG, prepare a ½ log dilution series (15 nM to 1.5 pM) in 1x buffer. Include a buffer only control.

Titration Protocol:

To a white opaque 384-well Optiplate:

- 1- Add 5 µL biotinylated-rIgG dilutions (from lowest to highest concentration).
- 2- Add 10 µL of 1x buffer
- 3- Add 5 µL of Protein A Acceptor beads.

Incubate in the dark at room temperature for 30 minutes.

- 4- Add 5 µL of Streptavidin Donor beads.

Incubate in the dark at room temperature for 60 minutes and analyze on your AlphaScreen® detection reader.

Product Typical Data

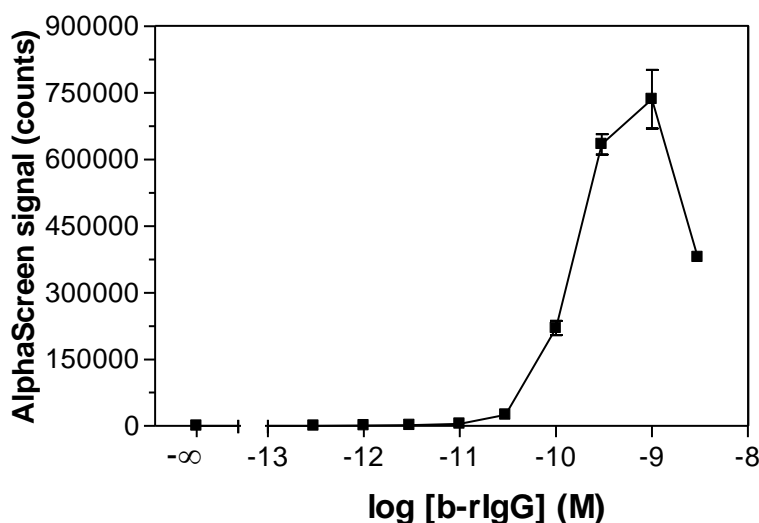


Figure 1: Biotinylated-probe titration assay

384-well biotinylated-rlgG titration curve (25 μ L final volume; Reader: Envision HTS Alpha).

Note: AlphaScreen signal will vary depending on instrument detection protocol, incubation temperature and incubation time.

Suggested Materials and Instrumentation

Please visit our website

www.perkinelmer.com/AlphaTech

This product is not for resale or distribution except by authorized distributors.

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PerkinElmer, Inc.
940 Winter Street
Waltham, MA 02451 USA
P: (800) 762-4000 or
(+1) 203-925-4602
www.perkinelmer.com



For a complete listing of our global offices, visit www.perkinelmer.com/ContactUs

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