

## DESCRIPTION

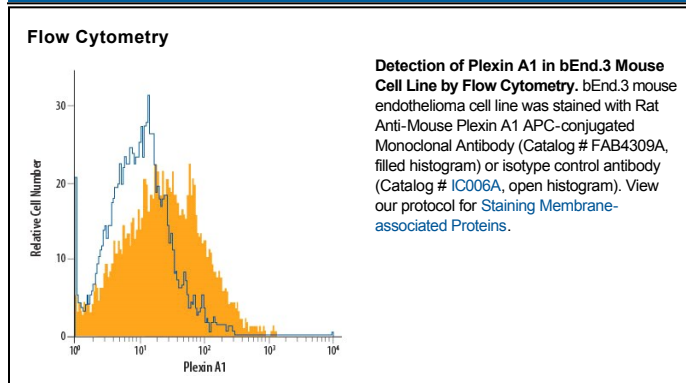
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse Plexin A1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, 10% cross-reactivity with recombinant mouse (rm) Plexin A3 is observed and no cross-reactivity with rmPlexin A2, recombinant human (rh) Plexin B1, rhPlexin C1, or rhPlexin D1 is observed.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 408305
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant mouse Plexin A1 Leu49-Gly165 Accession # P70206
<b>Conjugate</b>	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
<b>Formulation</b>	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
<b>Flow Cytometry</b>	10 $\mu$ L/10 <sup>6</sup> cells	See Below

## DATA



## PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** **Protect from light. Do not freeze.**

- 12 months from date of receipt, 2 to 8 °C as supplied.

## BACKGROUND

Plexin A1 is an 1894 amino acid, 200 kDa type I transmembrane protein that is a member of the Plexin family of semaphorin signal transducers. Plexin-A1 binds the transmembrane Sema6D directly and binds the Class 3 secreted semaphorins indirectly via neuropilin-1 and 2. It mediates cytoskeletal remodeling that results in cell migration and axon repulsion. In the region used as an immunogen, mouse and human Plexin A1 share 97% amino acid identity.