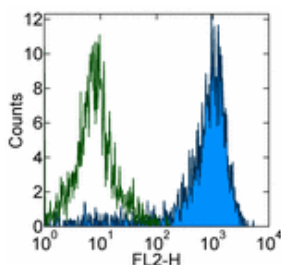


Anti-Mouse Plexin-B2 Purified

Catalog Number: 14-5665

Also Known As: PlexinB2

RUO: For Research Use Only



Staining of the PDV cell line with 0.25 µg of Armenian Hamster IgG Isotype Control Purified (cat. 14-4888) (open histogram) or 0.25 µg of Anti-Mouse Plexin-B2 Purified (filled histogram) followed by Anti-Armenian Hamster IgG Biotin (cat. 13-4113) and Streptavidin PE (cat. 12-4317). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse Plexin-B2 Purified


REF Catalog Number: 14-5665

Clone: eBio3E7 (3E7)

Concentration: 0.5 mg/ml


Host/Isotype: Armenian Hamster IgG

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C.

LOT Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

Plexin-B2 is a member of the Semaphorin receptor family. The semaphorin family consists of membrane and secreted proteins involved in attraction and repulsion of neuronal guidance cues. Plexin-B1 is a transmembrane protein that can be cleaved covering the single chain precursor into a heterodimeric receptor. It has been shown to bind Sema4D/CD100 and is involved in axon development in mouse embryos. Sema4D also plays a role in the immune system interacting with CD72. Plexin-B2's possible role in the immune system has not been characterized.

Applications Reported

This eBio3E7 (3E7) antibody has been reported for use in flow cytometric analysis, immunoprecipitation, and immunohistochemical staining.

Applications Tested

This eBio3E7 (3E7) antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Artigiani S, Barberis D, Fazzari P, Longati P, Angelini P, van de Loo JW, Comoglio PM, Tamagnone L. Functional regulation of semaphorin receptors by proprotein convertases. *J Biol Chem.* 2003 Mar 21;278(12):10094-101. (PubMed)

Raper JA. Semaphorins and their receptors in vertebrates and invertebrates. *Curr Opin Neurobiol.* 2000 Feb;10(1):88-94. (PubMed)

Worzfeld T, Puschel AW, Offermanns S, Kuner R. Plexin-B family members demonstrate non-redundant expression patterns in the developing mouse nervous system: an anatomical basis for morphogenetic effects of Sema4D during development. *Eur J Neurosci.* 2004 May;19(10):2622-32. (PubMed)

Related Products

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

14-4888 Armenian Hamster IgG Isotype Control Purified (eBio299Arm)

17-4317 Streptavidin APC

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