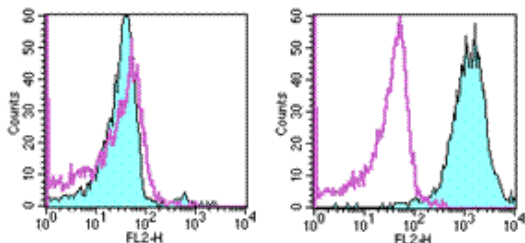


Anti-Human/Mouse CD266 (TWEAK Receptor) PE

Catalog Number: 12-9018

Also Known As: TNFRSF12A, TWEAKR, Fibroblast growth factor-inducible 14, Fn14

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of non-transfected (left) and human CD266-transfected (right) L5178Y cells with 0.5 ug of Mouse IgG2b K Isotype Control PE (cat. 12-4732) (open histogram) or 0.5 ug of Anti-Human/Mouse CD266 (TWEAK Receptor) PE (filled histogram). Total viable cells were analyzed.

Product Information

Contents: Anti-Human/Mouse CD266 (TWEAK Receptor) PE


REF **Catalog Number:** 12-9018

Clone: ITEM-4

Concentration: ug size: 0.2 mg/mL; test size: 5 uL (0.5 ug)/test

Host/Isotype: Mouse IgG2b, kappa

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

 **Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

 **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Contains sodium azide**

Description

The ITEM-4 antibody reacts with human TWEAK Receptor/Fn14 (fibroblast growth factor-inducible 14 kDa protein). Fn14 is distantly related to the TNFR family, containing one cysteine-rich domain in the extracellular region and a TNFR-associated factor binding domain but does not contain a death domain (DD) cytoplasmic region. Fn14 plays a role in TWEAK-induced endothelial cell migration, proliferation, and angiogenesis. TWEAK-induced cell death via Fn14 includes both apoptosis and necrosis and can be blocked by an anti-TWEAK antibody, CARL-1. Fn14 is expressed on HUVEC and in some cancer tissues but not on freshly isolated PBMCs. Fn14 mRNA expression has been identified during liver regeneration. It has been reported that ITEM-4 cross-reacts with mouse Fn14. In the mouse, Fn14 is reported to be constitutively expressed by Colon 26 cell line.

The ITEM-4 antibody has been shown to have blocking function.

Applications Reported

The ITEM-4 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The ITEM-4 antibody is offered in 2 formats:

- μ g size: has been tested by flow cytometric analysis on human or mouse Fn14 transfected cells. This can be used at less than or equal to 1 μ g per test. A test is defined as the amount (μ g)/test of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

- test size: has been pre-titrated and tested by flow cytometric analysis on human or mouse Fn14 transfected cells. This can be used at test size: 5 μ L (0.5 μ g)/per test. The pre-titrated test size contains 0.2% BSA.

References

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Related Products

12-4732 Mouse IgG2b K Isotype Control PE

12-9019 Anti-Human CD266 (TWEAK Receptor) PE (ITEM-1)

16-9016 Anti-Human/Mouse CD266 (TWEAK Receptor) Functional Grade Purified (ITEM-2)

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Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com