

Product Data Sheet

Purified anti-human/mouse CD266 (Fn14, TWEAK R)

Catalog # / Size: 314102 / 100 µg

Clone: ITEM-4

Isotype: Mouse IgG2b, κ

Immunogen: Human Fn14 transfected P815

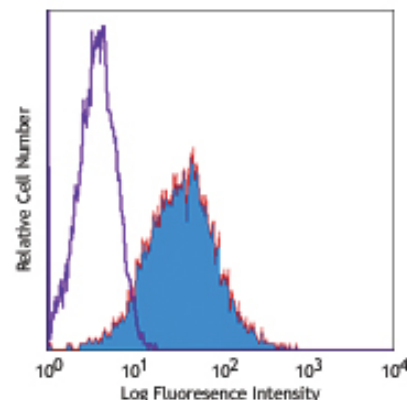
Reactivity: Human, Mouse

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



Human Fn14 transfected cells stained with purified ITEM-4, followed by anti-mouse IgG FITC

Applications:

Applications: FC - *Quality tested*
 WB, IHC - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: Western blotting, immunohistochemistry of acetone-fixed frozen sections. ITEM-4 antibody has no effect on TWEAK-induced MAPK activation in RAW cells¹.

Application References: 1. Polek TC, *et al.* 2003. *J. Biol. Chem.* 278:32317.
 2. Nakayama M, *et al.* 2003. *J. Immunol.* 170:341.

Description: CD266 is a 14 kD transmembrane protein known as TWEAK receptor (TWEAK-R) or fibroblast growth factor inducible 14 (Fn14). It is member 12A of the tumor necrosis factor receptor superfamily (TNFRSF12A) expressed at low levels in a variety of tissues, such as heart, placenta, lung, muscle, and pancreas. TWEAK-R binds TWEAK (CD255) and interacts with the cytoplasmic proteins TRAF1, 2, and 3. The engagement of Fn14 can induce cell death and may play a role in inflammation, hepatocyte growth, and liver neoplasia.

Antigen References: 1. Feng SL, *et al.* 2000. *Am. J. Path.* 156:1253.
 2. Meighan-Mantha RL, *et al.* 1999. *J. Biol. Chem.* 274:33166.
 3. Nakayama M, *et al.* 2003. *J. Immunol.* 170:341.
 4. Lynch CN, *et al.* 1999. *J. Biol. Chem.* 274:8455.

Related Products:

Product
 HRP Goat anti-mouse IgG (minimal x-reactivity)
 Purified Mouse IgG2b, κ Isotype Ctrl
 PE Goat anti-mouse IgG (minimal x-reactivity)
 Cell Staining Buffer

Clone
 Poly4053
 MPC-11
 Poly4053

Application
 ELISA, IHC, WB
 FC, ICFC, ICC, IF, IHC, IP, WB
 FC
 FC, ICC, ICFC



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biollegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.