

Product Data Sheet

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

Catalog # / Size: 314106 / 100 µg

Clone: ITEM-4

Isotype: Mouse IgG2b, κ

Immunogen: Human Fn14 transfected P815

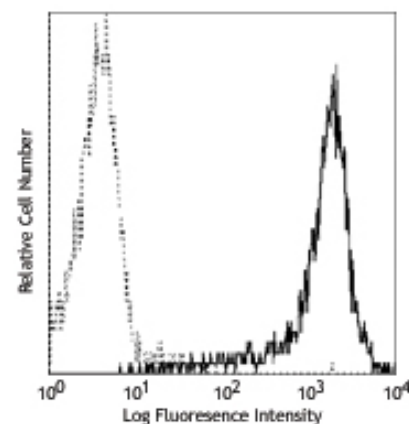
Reactivity: Human, Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

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

Concentration: 0.2 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human Fn14 transfected cells stained with ITEM-4 PE

Applications:

Applications: FC - Quality tested

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
PE Mouse IgG2b, κ Isotype Ctrl

Cell Staining Buffer

Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone

MPC-11

Application

FC, ICFC

FC, ICC, ICFC

FC, ICC, ICFC



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