

Active Recombinant Human TNFRSF17 Protein, Fc-tagged, FITC conjugated

Cat. No. TNFRSF17-2070HF Lot. No. (See product label)

SPECIFICATION

Product Overview

FITC conjugated recombinant human TNFRSF17 is produced in *HEK 293 Cells* with the C-terminus to the Fc portion of human IgG1. MW=42kDa.

Species

Human

Source

HEK293

Description

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is preferentially expressed in mature B lymphocytes, and may be important for B cell development and autoimmune response. This receptor has been shown to specifically bind to the tumor necrosis factor (ligand) superfamily, member 13b (TNFSF13B/TALL-1/BAFF), and to lead to NF-kappaB and MAPK8/JNK activation. This receptor also binds to various TRAF family members, and thus may transduce signals for cell survival and proliferation.

Form

Lyophilized

Bio-activity

Blocks the binding of BAFF and APRIL to their receptors BCMA and TACI, inhibiting BAFF- and APRIL-mediated B cell activation.

Endotoxin

< 0.1 EU/ µg purified protein (LAL test; BioWhittaker).

Purity

≥95 % by SDS-PAGE

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|-----------------------|---|
| Characteristic | <p>Disulfide-linked homodimer</p> <p>Labeled with FITC via amines</p> <p>Excitation source: 488 nm spectral line, argon-ion laser</p> <p>Excitation Wavelength: 488 nm</p> <p>Emission Wavelength: 535 nm</p> |
| Applications | Flow Cytometry: Detection of membrane-bound mouse BAFF and human APRIL in combination with fluorescently labelled Ab to IgG1. |
| Storage | Stable for at least 6 months after receipt when stored at -20 centigrade. Avoid freeze/thaw cycles. |
| Concentration | 1 mg/mL |
| Storage Buffer | Contains PBS. |
| Reconstitution | Reconstitute with 50 µl of sterile water. Further dilutions should be made with medium containing 5% fetal calf serum or a carrier protein. |
| Conjugation | FITC |

GENE INFORMATION

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|------------------------|--|
| Gene Name | TNFRSF17 tumor necrosis factor receptor superfamily, member 17 [Homo sapiens] |
| Official Symbol | TNFRSF17 |
| Synonyms | TNFRSF17; tumor necrosis factor receptor superfamily, member 17; BCM; BCMA; CD269; TNFRSF17; tumor necrosis factor receptor superfamily member 17; B-cell maturation factor; B-cell maturation protein |

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| Gene ID | 608 |
| mRNA Refseq | NM_001192 |
| Protein Refseq | NP_001183 |
| MIM | 109545 |
| UniProt ID | Q02223 |

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