

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

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | FITC conjugated recombinant human TNFRSF17 is produced in <i>HEK 293 Cells</i> with the C-terminus to the Fc portion of human IgG1. MW=42kDa.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Bio-activity</b>     | Blocks the binding of BAFF and APRIL to their receptors BCMA and TACI, inhibiting BAFF- and APRIL-mediated B cell activation.                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Endotoxin</b>        | < 0.1 EU/ µg purified protein (LAL test; BioWhittaker).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | ≥95 % by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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

## GENE INFORMATION

|                        |                                                                                                                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TNFRSF17 tumor necrosis factor receptor superfamily, member 17 [ Homo sapiens ]                                                                                                                        |
| <b>Official Symbol</b> | TNFRSF17                                                                                                                                                                                               |
| <b>Synonyms</b>        | 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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