

## Recombinant Human TNFRSF17 Protein, Fc/His-tagged, Alexa Fluor 555 conjugated

**Cat. No.** TNFRSF17-2348HAF555    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Alexa Fluor 555 conjugated recombinant human TNFRSF17 fused with Fc/His tag at C-terminal was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 302                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <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>Molecular Mass</b>   | The recombinant human TNFRSF17/Fc is a disulfide-linked homodimer. The reduced monomer comprises 302 amino acids after removal of the signal peptide and has a predicted molecular mass of 34 kDa. As a result of glycosylation, the apparent molecular mass of rh TNFRSF17/Fc monomer is approximately 40 kDa in SDS-PAGE under reducing conditions.                                                                                                                                                                                         |

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|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Endotoxin</b>      | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                              |
| <b>Characteristic</b> | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 555 via amines<br>With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters. |
| <b>Stability</b>      | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                                                                                                            |
| <b>Storage</b>        | Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                       |
| <b>Storage Buffer</b> | Lyophilized from sterile PBS, pH 7.4                                                                                                                                                                                                                      |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.                                                                                 |
| <b>Conjugation</b>    | Alexa Fluor 555                                                                                                                                                                                                                                           |

## 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; BCMA; tumor necrosis factor receptor superfamily member 17; BCM; CD269; B-cell maturation factor; B cell maturation antigen; B-cell maturation protein; |
| <b>Gene ID</b>         | 608                                                                                                                                                                                                                      |

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|----------------|-----------|
| mRNA Refseq    | NM_001192 |
| Protein Refseq | NP_001183 |
| MIM            | 109545    |
| UniProt ID     | Q02223    |

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