

## Active Recombinant Monkey TNFRSF17 Protein, Fc-tagged, Alexa Fluor 555 conjugated

**Cat. No.** TNFRSF17-8829CAF555    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Product Overview</b> | Alexa Fluor 555 conjugated recombinant Rhesus TNFRSF17(Met1-Ala53) fused with the Fc region of human IgG1 at C-terminal was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Monkey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | Met1-Ala53 294                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | <p>Tumor necrosis factor receptor superfamily, member 17 (TNFRSF17), also known as B cell maturation antigen (BCMA) or CD269 antigen, 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 (TNFSF13BBAFF), and to lead to NF-kappaB and MAPK8/JNK activation. TNFRSF17/BCMA/CD269 also binds to various TRAF family members, and thus may transduce signals for cell survival and proliferation.</p> <p>TNFRSF17/BCMA/CD269 is a receptor for TALL-1 and BCMA activates NF-kappaB through a TRAF5-, TRAF6-, NIK-, and IKK-dependent pathway. The identification of TNFRSF17 as a NF-kappaB-activating receptor for TALL-1 suggests molecular targets for drug development against certain immunodeficient or autoimmune diseases. TNFRSF17/BCMA is a target of donor B-cell immunity in patients with myeloma who respond to DLI. Antibody responses to cell-surface BCMA may</p> |

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|                                     |                                                                                                                                                                                                                                                           |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                     | contribute directly to tumor rejection in vivo.                                                                                                                                                                                                           |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                                                                                               |
| <b>Bio-activity</b>                 | Measured by its binding ability in a functional ELISA. Immobilized human BAFF at 10 µg/mL (100 µL/well) can bind Rhesus TNFRSF17-Fc, The EC50 of Rhesus TNFRSF17-Fc is 0.03-0.07 µg/mL.                                                                   |
| <b>Molecular Mass</b>               | 33 kDa                                                                                                                                                                                                                                                    |
| <b>N-terminal Sequence Analysis</b> | Met                                                                                                                                                                                                                                                       |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                              |
| <b>Purity</b>                       | > 95 % as determined by SDS-PAGE                                                                                                                                                                                                                          |
| <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 -80 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. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                            |

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|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b> | Shipped at ambient temperature.<br>Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise. |
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| <b>Conjugation</b> | Alexa Fluor 555 |
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## GENE INFORMATION

|                  |                                                                       |
|------------------|-----------------------------------------------------------------------|
| <b>Gene Name</b> | TNFRSF17 TNF receptor superfamily member 17 [ <i>Macaca mulatta</i> ] |
|------------------|-----------------------------------------------------------------------|

|                        |          |
|------------------------|----------|
| <b>Official Symbol</b> | TNFRSF17 |
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|                 |                                                       |
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| <b>Synonyms</b> | tumor necrosis factor receptor superfamily, member 17 |
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|----------------|--------|
| <b>Gene ID</b> | 712212 |
|----------------|--------|

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