

# Recombinant Monkey TNFRSF4 Protein, Fc-tagged, Alexa Fluor 488 conjugated

**Cat. No.** TNFRSF4-549RAF488    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Product Overview</b> | Alexa Fluor 488 conjugated recombinant Rhesus TNFRSF4 (XP_001090870.1) (Met1-Ala216) was expressed with the Fc region of human IgG1 at the C-terminus.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Monkey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Met1-Ala216 426                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | OX40 (CD134) and its binding partner, OX40L (CD252), are members of the tumor necrosis factor receptor/tumor necrosis factor superfamily, is known to break an existing state of tolerance in malignancies, leading to a reactivation of antitumor immunity. The interaction between OX40 and OX40L plays an important role in antigen-specific T-cell expansion and survival. OX40 and OX40L also regulate cytokine production from T cells, antigen-presenting cells, natural killer cells, and natural killer T cells, and modulate cytokine receptor signaling. In line with these important modulatory functions, OX40-OX40L interactions have been found to play a central role in the development of multiple inflammatory and autoimmune diseases, making them attractive candidates for intervention in the clinic. Conversely, stimulating OX40 has shown it to be a candidate for therapeutic immunization strategies for cancer and infectious disease. |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Molecular Mass</b>               | 47 kDa                                                                                                                                                                                                                                                    |
| <b>N-terminal Sequence Analysis</b> | Leu 29                                                                                                                                                                                                                                                    |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg protein as determined by the LAL method.                                                                                                                                                                                                     |
| <b>Purity</b>                       | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                          |
| <b>Characteristic</b>               | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 488 via amines<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm                                                                                                                 |
| <b>Storage</b>                      | Samples are stable for up to twelve months from date of receipt at -70 centigrade.<br>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% Tween 80 are added as protectants before lyophilization.                                                                                                               |
| <b>Reconstitution</b>               | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.                                                                    |
| <b>Conjugation</b>                  | Alexa Fluor 488                                                                                                                                                                                                                                           |

## GENE INFORMATION

**Gene Name** TNFRSF4 TNF receptor superfamily member 4 [ *Macaca mulatta* (Rhesus monkey) ]

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|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Official Symbol | TNFRSF4                                                                                                                                               |
| Synonyms        | TNFRSF4; TNF receptor superfamily member 4; tumor necrosis factor receptor superfamily member 4; tumor necrosis factor receptor superfamily, member 4 |
| Gene ID         | 699674                                                                                                                                                |
| mRNA Refseq     | XM_001090870                                                                                                                                          |
| Protein Refseq  | XP_001090870                                                                                                                                          |

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