

## Active Recombinant Monkey TNFSF10 Protein, Met-tagged, Alexa Fluor 647 conjugated

**Cat. No.** TNFSF10-1191RAF647    **Lot. No.** (See product label)

### SPECIFICATION

|                                     |                                                                                                                                                                                                                                                                    |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Alexa Fluor 647 conjugated recombinant rhesus TNFSF10 (NP_001252963.1) (Val114-Gly281) was expressed and purified with an initial Met.                                                                                                                             |
| <b>Species</b>                      | Monkey                                                                                                                                                                                                                                                             |
| <b>Source</b>                       | E.coli                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>                | 169                                                                                                                                                                                                                                                                |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                                                                                                        |
| <b>Bio-activity</b>                 | 1. Measured in a cytotoxicity assay using L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is typically 0.5-2 ng/mL.<br>2. Measured by its binding ability in a functional ELISA. Immobilized Rhesu |
| <b>Molecular Mass</b>               | 19.6 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>                       | > 98 % as determined by SDS-PAGE                                                                                                                                                                                                                                   |

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|                       |                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Characteristic</b> | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 647 via amines<br>Excitation = 650 nm<br>Emission = 668 nm                                                                       |
| <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, 5%-8% trehalose and mannitol.                                                                                                                             |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| <b>Conjugation</b>    | Alexa Fluor 647                                                                                                                                                                         |

## GENE INFORMATION

|                        |                                                                               |
|------------------------|-------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TNFSF10 tumor necrosis factor superfamily member 10 [ <i>Macaca mulatta</i> ] |
| <b>Official Symbol</b> | TNFSF10                                                                       |
| <b>Synonyms</b>        | tumor necrosis factor (ligand) superfamily, member 10                         |
| <b>Gene ID</b>         | 694451                                                                        |
| <b>mRNA Refseq</b>     | NM_001266034                                                                  |
| <b>Protein Refseq</b>  | NP_001252963                                                                  |

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