

## Recombinant Mouse Tnfrsf4 Protein, Alexa Fluor 647 conjugated

**Cat. No.** Tnfrsf4-547MAF647    **Lot. No.** (See product label)

### SPECIFICATION

**Product Overview**

Alexa Fluor 647 conjugated recombinant Mouse Tnfrsf4 (NP\_035789.1) (Met1-Pro211) was expressed with six amino acids (LEVLFQ) at the C-terminus.

**Species**

Mouse

**Source**

HEK293

**ProteinLength**

Met1-Pro211 199

**Description**

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.

**Form**

Lyophilized

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<b>Molecular Mass</b>	22.1 kDa
<b>N-terminal Sequence Analysis</b>	Val 20
<b>Endotoxin</b>	< 1.0 EU/ µg protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 nm
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -70 centigrade. 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 647

## GENE INFORMATION

**Gene Name** [Tnfrsf4 tumor necrosis factor receptor superfamily, member 4 \[ Mus musculus \]](#)

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<b>Official Symbol</b>	Tnfrsf4
<b>Synonyms</b>	TNFRSF4; tumor necrosis factor receptor superfamily, member 4; tumor necrosis factor receptor superfamily member 4; OX40 antigen; OX40L receptor; tax-transcriptionally activated glycoprotein 1; Ox40; ACT35; CD134; Ly-70; Txgp1; TXGP1L;
<b>Gene ID</b>	22163
<b>mRNA Refseq</b>	NM_011659
<b>Protein Refseq</b>	NP_035789

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