

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

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

SPECIFICATION

Product Overview

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.

Species

Monkey

Source

HEK293

ProteinLength

Met1-Ala216 426

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Molecular Mass	47 kDa
N-terminal Sequence Analysis	Leu 29
Endotoxin	< 1.0 EU/ µg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Storage	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.
Storage Buffer	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Reconstitution	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.
Conjugation	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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