

Active Recombinant Monkey TNFRSF17 Protein, Fc-tagged, Alexa Fluor 647 conjugated

Cat. No. TNFRSF17-8829CAF647 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Alexa Fluor 647 conjugated recombinant Rhesus TNFRSF17(Met1-Ala53) fused with the Fc region of human IgG1 at C-terminal was expressed in HEK293.

Species

Monkey

Source

HEK293

ProteinLength

Met1-Ala53 294

Description

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.

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

 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

	contribute directly to tumor rejection in vivo.
Form	Lyophilized
Bio-activity	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.
Molecular Mass	33 kDa
N-terminal Sequence Analysis	Met
Endotoxin	< 1.0 EU/ µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 nm
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	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% Tween80 are added as protectants before lyophilization.
Shipping	Shipped at ambient temperature.

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Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Conjugation Alexa Fluor 647

GENE INFORMATION

Gene Name TNFRSF17 TNF receptor superfamily member 17 [*Macaca mulatta*]

Official Symbol TNFRSF17

Synonyms tumor necrosis factor receptor superfamily, member 17

Gene ID 712212

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