

Active Recombinant Monkey TNFRSF17 Protein, Fc-tagged, FITC conjugated

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

SPECIFICATION

Product Overview

FITC 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 FITC via amines Excitation source: 488 nm spectral line, argon-ion laser Excitation Wavelength: 488 nm Emission Wavelength: 535 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.

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Shipping	Shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.
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Conjugation	FITC
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GENE INFORMATION

Gene Name	TNFRSF17 TNF receptor superfamily member 17 [<i>Macaca mulatta</i>]
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Official Symbol	TNFRSF17
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Synonyms	tumor necrosis factor receptor superfamily, member 17
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Gene ID	712212
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