

TNFRSF1A recombinant protein

TNFRSF1A Protein, Mouse, Recombinant (hFc Tag)

CATALOG #
AAA257476

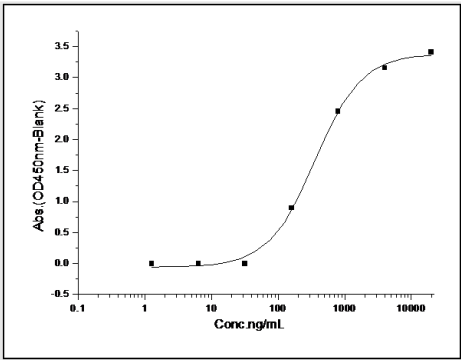
HOST
HEK293 Cells

PRODUCT SYNONYMS

TNFRSF1A; TNFRSF1A Protein; Mouse; Recombinant (hFc Tag); Mouse TNFR1/CD120a/TNFRSF1A Protein (Fc Tag); tumor necrosis factor receptor superfamily member 1A; CD120a Protein; FPF Protein; p55 Protein; p55-R Protein; TNF-alphaR1 Protein; TNF-R Protein; TNF-R-I Protein; TNF-R1 Protein; TNF-R55 Protein; TNFalpha-R1 Protein; TNFAR Protein; Tnfr-2 Protein; Tnfr1 Protein; TNFR60 Protein; TNFRI Protein; TNFRp55 Protein; TNFRSF1A recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>90 % as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4 Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Sequence Positions	424aa
Sequence	Met1-Ala21 2
Species	Mouse
Tag	hFc
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method
Predicted N Terminal	Leu30
Protein Construction	JA DNA sequence encoding the mouse TNFRSF1A (NP_ 035739.2) extracellular domain (Met 1-Ala 212) was fused with the Fc region of human IgG1 at the C-terminus
Activity	Immobilized mouse TNFa (80-235) (Cat:50349-MNAE) at 10ug/ml (100ul/well) can bind mouse TNFRSF1A-Fc. The EC50 of mouse TNFRSF1A-Fc is 0.03-0.07ug/ml.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. Shipping: They are shipped out with blue ice pack



Application Data

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ADDITIONAL INFORMATION

Related Product Information for TNFRSF1A recombinant protein	The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD120a (cluste of differentiation 120a), also known as TNFR1/TNFRSF1A, is a member of CD family, tumor necrosis factor receptor superfamily. CD120a is one of the most primary receptors for the tumor necrosis factor-alpha. It has been shown to be localized to both plasma membrane lipid rafts and the trans golgi complex with the help of the death domain (DD). CD120a can activate the transcription factor NF-kappaB, mediate apoptosis, and regulate inflammation processes.
Product Categories/Family for TNFRSF1A recombinant protein	Neuroinflammation; Death Receptor Signaling
References	Zola H, et al. (2007) CD molecules 2006-human cell differentiation molecules. J Immunol Methods. 318 (1-2): 1-5.Ho IC, et al. (2009) GATA3 and the T-cell lineage: essential functions before and after T-helper-2-cell differentiation. Nat Rev Immunol. 9 (2): 125-35.Matesanz-Isabel J, et al. (2011) New B-cell CD molecules. Immunology Letters.134 (2): 104-12.Cottin V, et al. (2002) Restricted localization of the TNF receptor CD120a to lipid rafts: a novel role for the death domain. The journal of immunology. 168: 4095-102.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31560799
NCBI GeneID	21937
NCBI Accession #	NP_035739.2
NCBI GenBank Nucleotide #	NM_011609.4
UniProt Accession #	P25118
Molecular Weight	50,130 Da
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 1A
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 1a
NCBI Official Symbol	Tnfrsf1a
NCBI Official Synonym Symbols	FPF; p55; TNF-R; TNFAR; TNFRI; Tnfr1; p55-R; CD120a; TNF-R1; TNFR60; Tnfr-2; TNF-R-I; TNF-R55; TNFRp55; TNF-alphaR1; TNFalpha-R1
NCBI Protein Information	tumor necrosis factor receptor superfamily member 1A; TNF receptor alpha chain; TNF-RI; TNF-alpha-R1; TNFR-I; p60; tumor necrosis factor receptor 1; tumor necrosis factor receptor type I

UniProt Protein Name	Tumor necrosis factor receptor superfamily member 1A
UniProt Gene Name	Tnfrsf1a
UniProt Synonym Gene Names	Tnfr-1; Tnfr1; TNF-R1; TNF-RI; TNFR-I
UniProt Entry Name	TNR1A_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tnfrsf1a-recombinant-protein-hek293-cells/257476>