

Rabbit TNFR1/CD120a/TNFRSF1A Monoclonal Antibody | anti-TNFRSF1A antibody

TNFR1/CD120a/TNFRSF1A Neutralizing Antibody

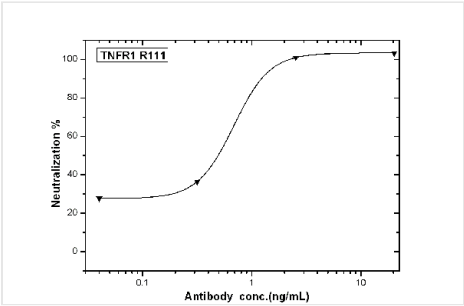
CATALOG # AAA27740	HOST Rabbit	APPLICATIONS Neutralization Assay
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PRODUCT SYNONYMS

TNFR1/CD120a/TNFRSF1A; Monoclonal Antibody; TNFR1/CD120a/TNFRSF1A Neutralizing Antibody; tumor necrosis factor receptor superfamily member 1A; Anti-CD120a Antibody; Anti-FPF Antibody; Anti-MS5 Antibody; Anti-p55 Antibody; Anti-p55-R Antibody; Anti-p60 Antibody; Anti-TBP1 Antibody; Anti-TNF-R Antibody; Anti-TNF-R-I Antibody; Anti-TNF-R55 Antibody; Anti-TNFAR Antibody; Anti-TNFR1 Antibody; Anti-TNFR1-d2 Antibody; Anti-TNFR55 Antibody; Anti-TNFR60 Antibody; anti-TNFRSF1A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	R111
Specificity	Human TNFR1/CD120a/TNFRSF1A.
Form/Format	Liquid; 0.2um filtered solution in Histidine and Arginine buffer containing 120mM NaCl, 0.02% Tween 80, pH6.0
Applicable Applications for anti-TNFRSF1A antibody	Neutralization
Application Notes	Neutralization: The neutralization activity of TNFR1/TNFRSF1A Neutralizing Antibody is Measured by its ability to neutralize TNFR1/TNFRSF1A-mediated inhibition of cytotoxicity in the L-929 mouse fibroblast cell line. The Neutralization titer (IC50) is typically 0.5-1.5ug/mL in the presence of 0.3ug/mL Recombinant Human TNFR1/TNFRSF1A, 0.2ng/mL Recombinant Human TNFa and 1ug/mL actinomycin D.
Immunogen	Recombinant Human TNFR1/CD120a/TNFRSF1A Protein
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human TNFR1/CD120a/TNFRSF1A (rh TNFR1/CD120a/TNFRSF1A ; and was produced using recombinant antibody technology.
Preparation and Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.



Application Data
TNFR1/TNFRSF1A-mediated inhibition of cytotoxicity was Neutralized by Human TNFR1 Antibody. Recombinant Human TNFR1/TNFRSF1A inhibits Recombinant Human TNFα induced cytotoxicity in the L-929 mouse fibroblast cell line. Inhibition of Recombinant Human TNFα (0.2 ng/mL) activity elicited by Recombinant Human TNFR1/TNFRSF1A (0.3 ug/mL) is neutralized by increasing concentrations of Human TNFR1/TNFRSF1A Monoclonal Antibody. The IC50 is typically 0.5-1.5 ug/mL in the presence of the metabolic inhibitor actinomycin D (1 ug/mL).

ADDITIONAL INFORMATION

Related Product Information for anti-TNFRSF1A antibody	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 anti-TNFRSF1A antibody	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 #	4507575
NCBI GeneID	7132
NCBI Accession #	NP_001056.1
NCBI GenBank Nucleotide #	NM_001065.3
UniProt Accession #	P19438; Q9UCA4; A8K4X3; B2RDE4; B3KPQ1; B4DQB7; B4E309; D3DUR1
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; MS5; p55; p60; TBP1; TNF-R; TNFAR; TNFR1; p55-R; CD120a; TNFR55; TNFR60; TNF-R-I; TNF-R55; TNFR1-d2

NCBI Protein Information	tumor necrosis factor receptor superfamily member 1A; TNF-R1; TNF-RI; TNFR-I; tumor necrosis factor-alpha receptor; tumor necrosis factor receptor type 1; tumor necrosis factor binding protein 1; tumor necrosis factor receptor 1A isoform beta
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 1A
UniProt Gene Name	TNFRSF1A
UniProt Synonym Gene Names	TNFAR; TNFR1; TNF-R1; TNF-RI; TNFR-I; TBPI
UniProt Entry Name	TNR1A_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/tnfr1-cd120a-tnfrsf1a-antibody-clone-r111-elisa/27740>