

ARG66059 anti-CD120a / TNFR1 antibody

Package: 50 µg

Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD120a / TNFR1
Tested Reactivity	Hu
Tested Application	ELISA, Neut, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD120a / TNFR1
Species	Human
Immunogen	E. coli derived recombinant Human TNF Receptor I. (MDSVCPQGKY IHPQNSICC TKCHKGTLYL NDCPGPGQDT DCRECEGSF TASENHLRHC LSCSKCRKEM GQVEISSCTV DRDTVCGCRK NQYRHYWSEN LFQCFNCSLC LNGTVHLSCQ EKQNTVCTCH AGFFLRENEC VSCSNCKKSL ECTKLCLPQI EN)
Conjugation	Un-conjugated
Alternate Names	TNF-R; p60; TNFAR; CD antigen CD120a; TNFR55; TBP1; TNF-RI; TNFR1-d2; Tumor necrosis factor receptor superfamily member 1A; FPF; TNFR60; CD120a; TNFR1; p55; TNF-R55; TNF-R-I; MS5; TNFR-I; Tumor necrosis factor receptor 1; TBPI; Tumor necrosis factor receptor type I; TNF-R1; p55-R

Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG66060 as a detection antibody
	Neut	0.9 - 1.1 µg/ml (To yield [ND50] of the biological activity of hsTNF-receptor(0.3 µg/ml))
	WB	0.1 - 0.2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

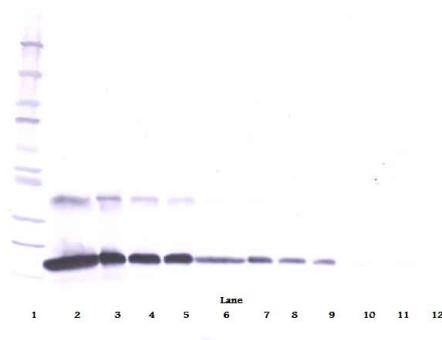
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

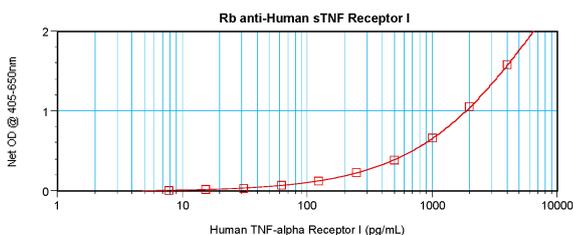
Database links	GeneID: 7132 Human Swiss-port # P19438 Human
Gene Symbol	TNFRSF1A
Gene Full Name	tumor necrosis factor receptor superfamily, member 1A
Background	The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein is one of the major receptors for the tumor necrosis factor-alpha. This receptor can activate NF-kappaB, mediate apoptosis, and function as a regulator of inflammation. Antiapoptotic protein BCL2-associated athanogene 4 (BAG4/SODD) and adaptor proteins TRADD and TRAF2 have been shown to interact with this receptor, and thus play regulatory roles in the signal transduction mediated by the receptor. Germline mutations of the extracellular domains of this receptor were found to be associated with the autosomal dominant periodic fever syndrome. The impaired receptor clearance is thought to be a mechanism of the disease. [provided by RefSeq, Jul 2008]
Function	Receptor for TNFSF2/TNF-alpha and homotrimeric TNFSF1/lymphotoxin-alpha. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Contributes to the induction of non-cytocidal TNF effects including anti-viral state and activation of the acid sphingomyelinase. [UniProt]
Calculated Mw	50 kDa
PTM	The soluble form is produced from the membrane form by proteolytic processing.

Images



ARG66059 anti-CD120a / TNFR1 antibody WB image

Western blot: 250 - 0.24 ng of Human sTNF-receptor stained with ARG66059 anti-CD120a / TNFR1 antibody, under reducing conditions.



ARG66059 anti-CD120a / TNFR1 antibody standard curve image

Sandwich ELISA: ARG66059 anti-CD120a / TNFR1 antibody as a capture antibody at 0.5 - 2.0 µg/ml combined with ARG66060 anti-TNF Receptor I antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.

ARG66059 anti-CD120a / TNFR1 antibody WB image

Western blot: 250 - 0.24 ng of Human sTNF-receptor stained with ARG66059 anti-CD120a / TNFR1 antibody, under non-reducing conditions.

