



Anti-Human TNF receptor type I, soluble

20200922BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	102-P95
Size:	100 µg
Lot. No.:	According to product label

Preparation: Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant hsTNF-receptor. Anti-Human sTNF-receptor specific antibody was purified by affinity chromatography employing immobilized hsTNF-receptor matrix.

Target Background

Synonyms (Target):	TNFRSF1A; FPF; p55; p60; TBP1; TNF-R; TNFAR; TNFR1; p55-R; CD120a; TNFR55; TNFR60; TNF-R-I; TNF-R55
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Tumor Necrosis Factor Receptor-I (TNF RI, also known as p55/p60) is a high affinity receptor for TNF-alpha and -beta, potent mediators of multiple aspects of inflammatory immune responses. TNF RI, along with TNF RII, is a prototypic member of the TNF receptor superfamily and has been designated TNFRSF1A. All cell types are thought to express TNF RI, and most of the biological functions of TNF are mediated via TNF RI. Soluble forms of both TNF RI, generated as a result of proteolytic cleavage of the extracellular domain, has been detected in vivo in various biological fluids. The soluble TNF RI receptor can bind TNF with high affinity and functions as a TNF antagonist.

Database References Target

Protein RefSeq:	NP_001056.1
Uniprot ID:	P19438
mRNA RefSeq:	NM_001065.3

Product Specifications

Species reactivity	Human
Clone/Ab feature	Rabbit IgG
Cross reactivity	Human
Host	Rabbit
Clonality	Polyclonal Antibody
Purification	Antigen-affinity purified
Immunogen	recombinant human soluble TNF-receptor type I
Formulation	lyophilized from PBS
Reconstitution buffer	water

Reconstitution: Centrifuge the vial prior to opening. Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

Stability: The lyophilized antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C.



AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

Sandwich ELISA: To detect human sTNF-receptor by sandwich ELISA (using 100 µl/well) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with an appropriate secondary detection system as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hsTNF-receptor.

Western Blot: To detect hsTNF-receptor by Western Blot analysis this antibody can be used at a concentration of 0.1- 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hsTNF-receptor is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!