Datasheet for ABIN181755

anti-TNFRSF1A antibody (Biotin)

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Overview

Quantity:	50 µg
Target:	TNFRSF1A
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNFRSF1A antibody is conjugated to Biotin
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Highly pure (> 98 %) recombinant human sTNF-Receptor I
Purification:	Affinity chromatograophy

Target Details

Target:	TNFRSF1A
Alternative Name:	CD120a / TNFR1 (TNFRSF1A Products)
Background:	Tumor Necrosis Factor (TNF) is a cytokine whose function is mediated through two distinct cell surface receptors (TNF Receptor I and TNF Receptor II) that are included in the TNF Receptor superfamily along with FAS antigen and CD40. TNF Receptors I and II are 55 and 75 kDa members, respectively, of a family of cell surface molecules including nerve growth factor receptor, Fas/Apo1, CD30, OX40, and 41BB, which are characterized by cysteine rich motifs in the extracellular domain. While TNF Receptor I and TNF Receptor II share 28 % sequence

Target Details

	homology in the extracellular domains, their intracellular domains lack sequence homology, suggesting that they differ in their internal signal transduction pathways. TNF Receptor I contains an approximately 80 amino acid death domain near its carboxy terminus capable of transmitting an apoptotic signal through its interaction with TRADD (TNF Receptor I associated death domain protein), and subsequent interactions with FADD. TNF Receptor I can also activate the transcription factor NFkB via TRAF2 (TNF Receptor associated factor 2). The cytoplasmic domain of TNF Receptor I can directly interact with Jak kinase, thereby activating the JAK/STAT signal transduction cascade. TNF Receptor I is expressed by virtually all nucleated mammalian cells, including hepatocytes, monocytes and neutrophils, cardiac muscle cells, endothelial cells, and CD34 + hematopoietic progenitors. Both TNF alpha and TNF beta bind to TNF Receptor I.Synonyms: TNF-R1, TNF-RI, TNFR-I, Tnfrsf1a, Tumor necrosis factor receptor 1, Tumor necrosis factor receptor superfamily member 1A, Tumor necrosis factor receptor type I, p55, p60
Gene ID:	9606
UniProt:	P19438
Pathways:	NF-kappaB Signaling, Apoptosis, Caspase Cascade in Apoptosis, Hepatitis C, Ubiquitin Proteasome Pathway

Application Details

Application Notes:	ELISA: Direct: To detect hsTNF-Receptor I (using 100 µL/well antibody solution) aconcentration of 0.25 - 1.0 µg/mL of this antibody is required. In conjunction withcompatible secondary reagents, it allows the detection of at least 0.2 - 0.4 ng/well ofrecombinant hsTNF-Receptor I. Sandwich: To detect hsTNF-Receptor I (using 100 µL/well antibody solution) aconcentration of 0.25 - 1.0 µg/mL of this antibody is required. This In conjunction with
Restrictions:	For Research Use only

Handling

Reconstitution:	Centrifuge vial prior to opening. Restore in sterile PBS containing 0.1 % BSA to a concentration of 0.1 - 1.0 mg/mL.
Buffer:	PBS, pH 7.2
Handling Advice:	This product is photosensitive and should be protected from light. Should it contain a precipitate we recommend microcentrifugation before use.

Handling

Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 28 °C. DO NOT FREEZE!

