TNF RI/TNFRSF1A Polyclonal Antibody(Capture/Detector)

catalog number: AN000820P

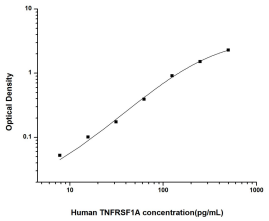
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant Human TNF RI/TNFRSF1A protein expressed by Mammalian
Host	Rabbit
Isotype	Rabbit IgG
Purification	Antigen Affinity Purification
Buffer	Phosphate buffered solution, pH 7.2, containing 0.05% Proclin300.

Applications	Recommended Dilution
ELISA Capture	2-8 μg/mL
ELISA Detector	0.1-0.4 μg/mL

Data



Sandwich ELISA-Recombinant Human TNF RI/TNFRSF1A protein standard curve.Background subtracted standard curve using TNF RI/TNFRSF1A antibody(AN000820P) (Capture),TNF RI/TNFRSF1A antibody(AN000820P) (Detector) in sandwich ELISA.The reference range value for Recombinant Human TNF RI/TNFRSF1A protein is 7.81-500 pg/mL.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

Tumor necrosis factor (TNF) is a multifunctional cytokine that plays a key role in regulating inflammation,immune functions,host defense,and apoptosis . TNF exists in soluble and membrane-bound forms. TNF signals through two distinct cell surface receptors,TNFR1 (TNFRSF1A,CD120a) and TNFR2 (TNFRSF1B,CD120b). Whereas TNFR1 is widely expressed,expression of TNFR2 is limited to cells of the immune system,endothelial cells,and nerve cells . TNFR1,which contains a death domain (DD) within its intracytoplasmic region,is thought to be the key receptor for TNF signaling . 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.

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