

Product datasheet for **AP26366PU-N**

Tnfrsf1b Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, IP, WB
Recommended Dilution:	Flow cytometry: The typical starting working dilution is 1:50. Immunoassay. Immunoprecipitation. Western blot: The typical starting working dilution is 1:50.
Reactivity:	Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Specificity:	The antibody recognizes the extracellular part of the mouse Tumor Necrosis Factor Receptor type 2 (TNF-RII) of the membrane-bound as well as the soluble receptor. it cross reacts with mouse TNF-RI (problematic in case of TNF-RII knockout studies and when used in high concentrations in functional studies). Shows minimal cross reactivity with mouse TNF-alpha.
Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin
Concentration:	lot specific
Purification:	Protein A
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C.
Stability:	Shelf life: one year from despatch.
Gene Name:	tumor necrosis factor receptor superfamily, member 1b
Database Link:	Entrez Gene 21938 Mouse P25119



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Background:

TNF-RII (~75-80 kDa) is present on most cell types and is considered to play a prominent role in cell stimulation by TNF-alpha. TNF-alpha activates inflammatory responses, induces apoptosis, regulates cellular proliferation, and may even promote cancer progression. The effects of TNF-alpha are mediated by TNF-RI and TNF-RII, which have both distinct and overlapping downstream signaling cascades. Induction of cytotoxicity and other functions are mediated largely via TNF-RI. TNF-RI is equally well activated by both the 17 kDa soluble and 26 kDa membrane-bound form, whereas TNF-RII is efficiently activated only by the membrane bound form of TNF-alpha. Binding of the inherently trimeric TNF-alpha to TNFR1 and TNFR2 induces receptor trimerization and recruitment of several signaling proteins to the cytoplasmic domains of the receptors. Occupancy of TNFR2 results in direct recruitment of TNF Receptor Associated Factor 2 (TRAF2), which in turn recruits TRAF1.

Synonyms:

Tumor necrosis factor receptor 2, p80 TNF-alpha receptor, TNFRSF1B, TNFBR, TNF-R2