

## Product datasheet for **TA388912**

### LTA Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<p>Sandwich ELISA: To detect Human TNF-beta by sandwich ELISA (using 100 ul/well antibody solution) a concentration of 0.25 – 1.0 µg/ml of this antibody is required. This biotinylated polyclonal antibody, in conjunction with ProSci's Polyclonal Anti-Human TNF-beta as a capture antibody, allows the detection of at least 0.2 – 0.4 ng/well of recombinant Human TNF-beta.</p> <p>Western Blot</p> <p>To detect Human TNF-beta by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 ug/ml. When used in conjunction with compatible secondary reagents the detection limit for recombinant Human TNF-beta is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.</p>
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Produced from sera of rabbits pre-immunized with highly pure recombinant Human TNF-beta. Anti-Human TNF-beta specific antibody was purified by affinity chromatography and then biotinylated.
Concentration:	lot specific
Purification:	TNF-beta specific antibody was purified by affinity chromatography and then biotinylated
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Database Link:	<a href="#">P01374</a>



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**Background:**

TNF-beta is a potent mediator of inflammatory and immune responses. It belongs to the TNF family of ligands, and signals through TNFR1 and TNFR2. TNF-beta is produced by activated T and B lymphocytes, and has similar activities to TNF-alpha. Like TNF-alpha, TNF-beta is involved in the regulation of various biological processes, including cell proliferation, differentiation, apoptosis, lipid metabolism, coagulation, and neurotransmission. TNF-beta is secreted as a soluble polypeptide, but can form heterotrimers with lymphotoxin-beta, which effectively anchors the TNF-beta to the cell surface. TNF-beta is cytotoxic to a wide range of tumor cells. Recombinant Human TNF-beta is a secreted 172 amino acid protein (18.6 kDa) which forms an active non-disulfide-linked homotrimer structure in solution.