

Anti-TNF beta Antibody-HRP (7E588)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	HRP
Clone:	7E588
Purification:	Protein A

Applications

Application:	ELISA
Recommended	ELISA: 0.1-1 µg/ml

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free. Keep away from direct sunlight.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human TNF-beta / TNFSF1 / Lymphotoxin alpha protein (TMPY-02153)
Antigen Species:	Human
Synonyms:	TNF β;LT;lymphotoxin α;TNFB;lymphotoxin alpha;TNFSF1
Biology Area:	Neuroinflammation

Research Background

Lymphotoxin-alpha, also known as LT-alpha, TNF-beta, Tumor necrosis factor ligand superfamily member 1, LTA TNFSF1, and TNFB, is a secreted protein that belongs to the tumor necrosis factor family. TNF-beta/TNFSF1/Lymphotoxin alpha is highly inducible, secreted, and exists as a homotrimeric molecule. It is a cytokine that in its homotrimeric form binds to TNFRSF1A / TNFR1, TNFRSF1B / TNFR, and TNFRSF14 / HVEM. In its heterotrimeric form with LTB, TNF-beta/TNFSF1/Lymphotoxin alpha binds to TNFRSF3 / LTBR. Lymphotoxin is produced by lymphocytes and cytotoxic for a wide range of tumor cells. TNF-beta/TNFSF1/Lymphotoxin alpha forms heterotrimers with lymphotoxin-beta which anchors lymphotoxin-alpha to the cell surface. It mediates a large variety of inflammatory, immunostimulatory, and antiviral responses. TNF-beta/TNFSF1/Lymphotoxin alpha is also involved in the formation of secondary lymphoid organs during development and plays a role in apoptosis. Genetic variations in TNF-beta/TNFSF1/Lymphotoxin alpha are a cause of susceptibility psoriatic arthritis which is an inflammatory, seronegative arthritis associated with psoriasis. It is a heterogeneous disorder ranging from a mild, non-destructive disease to a severe, progressive, erosive arthropathy.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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