



Mouse Anti-Human TNF beta monoclonal antibody, clone NN13 (CABT-ZB515)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human TNF beta
Target	TNF
Immunogen	Recombinant Human TNF-beta/TNFSF1/Lymphotoxin alpha protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	NN13
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA, ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB515 - CABT-ZB885 This antibody will detect TNF beta in antibody pair set. [ABPR-ZB091]
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human TNF-beta / TNFSF1 / Lymphotoxin alpha. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid
Concentration	Lot specific

Size	50 μ L, 100 μ L, 200 μ L, 1 mL
Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	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/TNFBR, 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.
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Keywords	TNF; DIF; TNFA; TNFSF2
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GENE INFORMATION

Synonyms	TNF; DIF; TNFA; TNFSF2; TNF-alpha; TNLG1F; Tumor necrosis factor
Entrez Gene ID	7124
UniProt ID	Q9UNG2