

LTA

Mouse Anti-Human Lymphotoxin alpha/TNF beta Clone 359-81-11 Biotin mAb

Catalog No.

CSI12138

Quantity:

50 µg

CSI12139

0.5 mg

Alternate Names:

Tumor necrosis factor-β, Lymphotoxin-α (LT-α), Coley's toxin, Hemorrhagic factor, Necrosin, Natural killer cytotoxic factor (NKCF), Differentiation inducing factor (DIF), TNFSF-1, TNF-β, TNF-beta,

Description:

Tumor necrosis factor-beta (TNF-β), also known as lymphotoxin-α (LT-α) is a potent lymphoid factor that exerts cytotoxic effects on a wide range of tumor cells and certain other target cells. TNF-β possesses a signal peptide sequence and is a secreted protein; however, TNF-β is also present on the surface of activated T, B and LAK cells as a complex with LT-β. Bioactive TNF-β exists as a homotrimer. The 359-81-11 antibody reacts with human tumor necrosis factor-beta (TNF-β). The 359-81-11 antibody can neutralize the bioactivity of natural or recombinant TNF-β.

Concentration:

0.5 mg/ml

Gene ID:

4049

Structure:

TNF superfamily; trimer; 25 kD (Mammalian)

Regulation:

Type II integral membrane protein, forms heterotrimer with type II integral membrane protein LT-β either as LT α 1 β 2 or LT α 2 β 1; processed secreted form is trimeric.

Host:

Mouse

Immunogen:*E. coli* expressed, recombinant human TNF-β**Isotype:**

Mouse IgG1, κ

Clone:

359-81-11

Bioactivity:

Transformed cell cytotoxicity; mediator of inflammatory and immune functions; fibroblast synthesis of GM-CSF, G-CSF, IL-1, collagenase, prostaglandin E2; monocyte terminal differentiation, synthesis of G-CSF; neutrophil chemoattractant, production of reac.

Formulation:

Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide. **Precaution:** Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

Purification:

The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

Receptors:

Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com

TNFRSF1A (TNF-R1, CD120a, TNFR-p60 Type β , p55); TNFRSF1B (TNF-R2, CD120b, TNFR-p80 Type A, p75)

Reactivity: Human

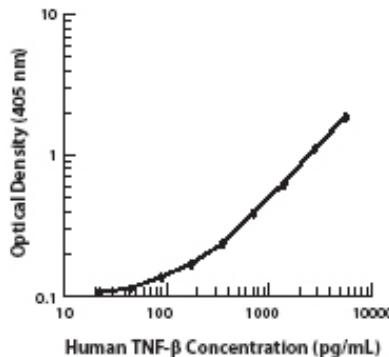
Applications: ELISA Detection, ELISPOT Detection, ICFC

Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay. For ELISA detection applications, a concentration range of 0.25-1.0 μ g/ml is recommended. For immunofluorescent staining, the suggested use of this reagent is $\leq 0.25 \mu$ g per 10^6 cells in 100 μ l volume. It is recommended that the reagent be titrated for optimal performance for each application

Storage & Stability: The antibody solution should be stored undiluted at 4°C. Do not freeze.

Cellular Sources: Activated T and B cells, fibroblasts, astrocytes, myeloma, endothelial cells, epithelial cells

Cellular Targets: Monocytes, B cells, fibroblasts, neutrophils, osteoclasts, keratinocytes, endothelial cells



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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