LTA

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

Catalog No.	CSI12136 CSI12137	**Quantity:**	50 µg 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-b, 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 LTα1β2 or LTα2β1; 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.

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

Reactivity: Human

Applications: ICFC, IHC

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 0.5 µg per 106 cells in 100 µl volume. The purified 359-81-11 has been tested by blocking fluorochrome conjugated 359-81-11 for intracellular cytokine staining. In order to obtain complete blocking results, a saturated amount of purified antibody (≤ 5.0 ug/million cells) should be used for incubation with target cells, prior to staining with fluorochrome conjugated antibody. It is recommended that the reagent be titrated for optimal performance for each application.

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Storage & Stability: The antibody solution should be stored undiluted at 4 °C.
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

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