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LTA Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP8509c

Specification

LTA Antibody (Center) Blocking Peptide - Product Information

Primary Accession P01374

LTA Antibody (Center) Blocking Peptide - Additional Information

Gene ID 4049

Other Names
Lymphotoxin-alpha, LT-alpha, TNF-beta, Tumor necrosis factor ligand superfamily member 1, LTA, TNFB, TNFSF1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8509c was selected from the Center region of human LTA. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LTA Antibody (Center) Blocking Peptide - Protein Information

Name LTA

Synonyms TNFB, TNFSF1

Function
Cytokine that in its homotrimeric form binds to TNFRSF1A/TNFR1, TNFRSF1B/TNFBR and TNFRSF14/HVEM (PubMed:9462508). In its heterotrimeric form with LTB binds to TNFRSF3/LTBR (PubMed:24248355). Lymphotoxin is produced by lymphocytes and is cytotoxic for a wide range of tumor cells in vitro and in vivo.

Cellular Location
Secreted. Membrane. Note=The homotrimer is secreted. The heterotrimer is

membrane-associated

LTA Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

LTA Antibody (Center) Blocking Peptide - Images

LTA Antibody (Center) Blocking Peptide - Background

LTA, a member of the tumor necrosis factor family, is a cytokine produced by lymphocytes. The protein is highly inducible, secreted, and forms heterotrimers with lymphotoxin-beta which anchor lymphotoxin-alpha to the cell surface. This protein also mediates a large variety of inflammatory, immunostimulatory, and antiviral responses, is involved in the formation of secondary lymphoid organs during development and plays a role in apoptosis.

LTA Antibody (Center) Blocking Peptide - References

Buonaguro,L., et.al., J. Virol. 66 (12), 7159-7167 (1992)Fukushima,K., et.al., Arch. Biochem. Biophys. 304 (1), 144-153 (1993)