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LY96 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP17412b

Specification

LY96 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9Y6Y9

LY96 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 23643

Other Names
Lymphocyte antigen 96, Ly-96, ESOP-1, Protein MD-2, LY96, ESOP1, MD2

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.

LY96 Antibody (C-term) Blocking Peptide - Protein Information

Name LY96

Synonyms ESOP1, MD2

Function
Binds bacterial lipopolysaccharide (LPS) (PubMed:17803912, PubMed:17569869). Cooperates with TLR4 in the innate immune response to bacterial lipopolysaccharide (LPS), and with TLR2 in the response to cell wall components from Gram-positive and Gram-negative bacteria (PubMed:11160242, PubMed:11593030). Enhances TLR4-dependent activation of NF-kappa-B (PubMed:10359581). Cells expressing both LY96 and TLR4, but not TLR4 alone, respond to LPS (PubMed:10359581).

Cellular Location
Secreted, extracellular space. Secreted Note=Retained in the extracellular space at the cell surface by interaction with TLR4 (PubMed:10359581).

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LY96 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

LY96 Antibody (C-term) Blocking Peptide - Images

LY96 Antibody (C-term) Blocking Peptide - Background

This gene encodes a protein which associates withtoll-like receptor 4 on the cell surface and confers responsivenessto lipopolysaccyaride (LPS), thus providing a link between thereceptor and LPS signaling. Studies of the mouse ortholog suggestthat this gene may be involved in endotoxin neutralization.Alternative splicing results in multiple transcript variantsencoding different isoforms.

LY96 Antibody (C-term) Blocking Peptide - References

Meng, J., et al. J. Biol. Chem. 285(36):27935-27943(2010)Gray, P., et al. J. Immunol. 184(11):6359-6366(2010)Salvesen, B., et al. Mol. Immunol. 47(6):1226-1234(2010)Ohnishi, T., et al. Microbiol. Immunol. 54(2):74-80(2010)Xue, Y., et al. Genet. Mol. Res. 9(3):1584-1590(2010)