

LY96 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17412b**Specification**

LY96 Antibody (C-term) Blocking Peptide - Product InformationPrimary 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).

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 with toll-like receptor 4 on the cell surface and confers responsiveness to lipopolysaccharide (LPS), thus providing a link between the receptor and LPS signaling. Studies of the mouse ortholog suggest that this gene may be involved in endotoxin neutralization. Alternative splicing results in multiple transcript variants encoding 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)