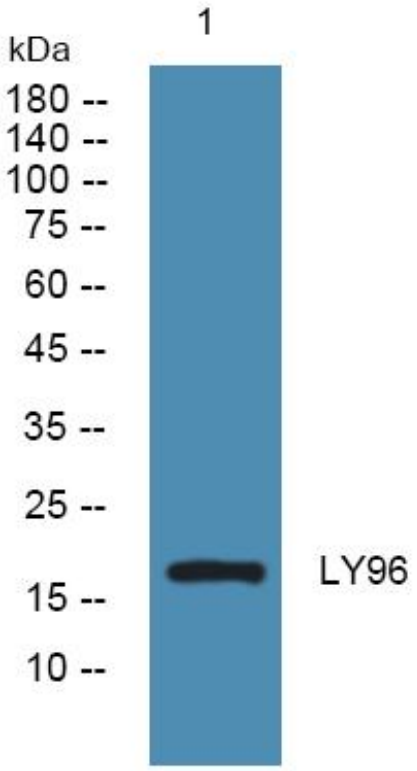
LY96 Monoclonal Antibody

Catalog No	BYmab-06926
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	LY96 ESOP1 MD2
Protein Name	Lymphocyte antigen 96 (Ly-96) (ESOP-1) (Protein MD-2)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	LY96 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	17kD
Cell Pathway	Secreted, extracellular space . Secreted . Retained in the extracellular space at the cell surface by interaction with TLR4 (PubMed:10359581). .
Tissue Specificity	Liver,Uterus,
Function	function: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. Enhances TLR4-dependent activation of NF-kappa-B. Cells expressing both MD2 and TLR4, but not TLR4 alone, respond to LPS.,PTM:N-glycosylated; high-mannose.,subunit:Heterogeneous homopolymer formed from homodimers; disulfide-linked. Belongs to the lipopolysaccharide (LPS) receptor, a multi-protein complex containing at least CD14, LY96 and TLR4. Binds to the extracellular domains of TLR2 and TLR4. Ligand binding induces interaction with TLR4 and oligomerization of the complex.,

Background	This gene encodes a protein which associates with toll-like receptor 4 on the cell surface and confers responsiveness to lipopolysaccyaride (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. [provided by RefSeq, Sep 2010],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using LY96 Monoclonal Antibody