

Active Recombinant Human LY96 protein, His-tagged

Cat. No. LY96-445H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LY96(Glu17 - Asn160) fused with His tag at C-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu17 - Asn160
Predicted N Terminal	Met
Form	Lyophilized from a 0.2 µm filtered solution in Acetonitrile and TFA with BSA as a carrier protein.
Bio-activity	Measured by its binding ability in a functional ELISA. When recombinant human TLR-4 is Immobilized at 2 µg/mL (100 µL/well), the concentration of rhMD-2 that produces 50% optimal binding response is found to be approximately 0.03-0.15 µg/mL.
Molecular Mass	Predicted Molecular Mass: 19.2 (monomer) kDa
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from

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date of receipt, -20 to -70 centigrade as supplied.1 month, 2 to 8 centigrade under sterile conditions after reconstitution.3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution

Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

GENE INFORMATION

Gene Name

LY96 lymphocyte antigen 96 [Homo sapiens]

Official Symbol

LY96

Synonyms

LY96; lymphocyte antigen 96; MD 2; protein MD-2; myeloid differentiation protein-2; MD2; MD-2; ly-96; ESOP-1;

Gene ID

23643

mRNA Refseq

NM_001195797

Protein Refseq

NP_001182726

MIM

605243

UniProt ID

Q9Y6Y9

**Chromosome
Location**

8q13.3

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Pathway

Activated TLR4 signalling, organism-specific biosystem; Activation of IRF3/IRF7 mediated by TBK1/IKK epsilon, organism-specific biosystem; IKK complex recruitment mediated by RIP1, organism-specific biosystem; IRAK2 mediated activation of TAK1 complex, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; MyD88 cascade initiated on plasma membrane, organism-specific biosystem;

Function

coreceptor activity; lipopolysaccharide receptor activity; protein binding;

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