SunLong Biotech Co.,LTD
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Recombinant Mannose Binding Lectin (MBL)

Catalog Number: SIPB132Hu02 **Spec: 100ug**

Product Name	Recombinant Mannose Binding Lectin (MBL)
Catalog Number	SIPB132Hu02
Organism Species	Human
Residues	Leu130~Ile248 (Accession # P11226), with two N-terminal Tags, His-tag and GST-tag.
Host	E. coli
Subcellular Location	Secreted.
Purity	>95%
Endotoxin Level	<1.0EU per 1μg (determined by the LAL method).
Formulation	Supplied as lyophilized form in PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.05% sarcosyl and preservative.
Predicted isoelectric point	5.7
Predicted Molecular Mass	45.0kDa
Applications	SDS-PAGE; WB; ELISA; IP. (May be suitable for use in other assays to be determined by the end user.)

[USAGE]

Reconstitute in sterile PBS, pH7.2-pH7.4.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8oC for one month.

Aliquot and store at -80oC for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37oC for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

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[SEQUENCES]

The target protein is fused with two N-terminal Tags, His-tag and GST-tag, its sequence is listed below.

MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIPQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD GSTSGSGHHH HHHSAGLVPR GSTAIGMKET AAAKFERQHM DSPDLGTLEV LFQGPLGSEF-L GKQVGNKFFL TNGEIMTFEK VKALCVKFQA SVATPRNAAE NGAIQNLIKE EAFLGITDEK TEGQFVDLTG NRLTYTNWNE GEPNNAGSDE DCVLLLKNGQ WNDVPCSTSH LAVCEFPI

[REFERENCES]

1. Ezekowitz R.A.B., et al. (1988) J. Exp. Med. 167:1034-1046. 2. Sastry K., et al. (1989) J. Exp. Med. 170:1175-1189. 3. Taylor M.E., et al. (1989) Biochem. J. 262:763-771. 4. Madsen H.O., et al. (1998) J. Immunol. 161:3169-3175.