



Anti-MBL2 polyclonal antibody [Biotin] (DPABY-476)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Mannan binding lectin (MBL) belongs to the collectin family of innate immune defense proteins, which bind an array of carbohydrate patterns on pathogen surfaces. Collectin family members share several common structural features including a N-terminal, cysteine-rich domain, a collagen-like region, an alpha-helical coiled-coil neck domain and a C-terminal, C-type (Ca ²⁺ -dependent) lectin or carbohydrate recognition domain. MBL homotrimerizes to form a structural unit joined by N-terminal disulfide bonds. These homotrimers further associate into oligomeric structures of up to six units.
Specificity	Detects human MBL in ELISAs and Western blots. In sandwich immunoassays, less than 0.05% cross-reactivity with recombinant mouse (rm) MBL and rmMBL-2 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human MBL . Glu21-Ile248 Accession Number AAH96182
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, ELISA Detection (Matched Pair)
Format	Liquid
Size	50 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.

Preservative	None
Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <p>12 months from date of receipt, -20 to -70 °C as supplied.</p> <p>1 month, 2 to 8 °C under sterile conditions after reconstitution.</p> <p>6 months, -20 to -70 °C under sterile conditions after reconstitution.</p>

GENE INFORMATION

Gene Name	MBL2 mannose-binding lectin (protein C) 2, soluble [Homo sapiens (human)]
Official Symbol	MBL2
Synonyms	MBL2; mannose-binding lectin (protein C) 2, soluble; MBL; MBP; MBP1; MBPD; MBL2D; MBP-C; COLEC1; HSMBPC; mannose-binding protein C; collectin-1; mannan-binding lectin; mannose-binding lectin 2, soluble (opsonic defect); mannose-binding lectin (protein C)
Entrez Gene ID	4153
Protein Refseq	NP_000233
UniProt ID	P11226
Chromosome Location	10q11.2
Pathway	Complement and coagulation cascades; Complement cascade; Creation of C4 and C2 activators; Immune System; Initial triggering of complement; Innate Immune System; Lectin pathway of complement activation; Phagosome;
Function	calcium-dependent protein binding; mannose binding; protein binding; receptor binding;