

Human IgM mouse mAb

Catalog No :	YM1427
Reactivity :	Human
Applications :	ELISA
Target :	Human IgM
Gene Name :	igm
Human Gene Id :	3507
Human Swiss Prot No :	P01871
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Immunogen :	Purified recombinant full length of human IgM heavy chain protein expressed in E.coli.
Specificity :	This antibody detects human IgM proteins.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	ELISA 1:10000-20000
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	75kD
Background :	Immunoglobulins (Ig) are the antigen recognition molecules of B cells. An Ig molecule is made up of 2 identical heavy chains and 2 identical light chains (see

MIM 147200) joined by disulfide bonds so that each heavy chain is linked to a light chain and the 2 heavy chains are linked together. Each Ig heavy chain has an N-terminal variable (V) region containing the antigen-binding site and a C-terminal constant (C) region, encoded by an individual C region gene, that determines the isotype of the antibody and provides effector or signaling functions. The heavy chain V region is encoded by 1 each of 3 types of genes: V genes (see MIM 147070), joining (J) genes (see MIM 147010), and diversity (D) genes (see MIM 146910). The C region genes are clustered downstream of the V region genes within the heavy chain locus on chromosome 14. The IGHM gene encodes the C region of the mu heavy chain, which d

Function :

disease:Chromosomal aberrations involving IGHG1 may be a cause of multiple myeloma [MIM:254500]. Translocation t(11;14)(q13;q32) with CCND1; translocation t(4;14)(p16.3;q32.3) with FGFR3; translocation t(6;14)(p25;q32) with IRF4.,miscellaneous:Disease protein OMM may represent an allelic form or another gamma chain subclass.,miscellaneous:Disease protein WIS is lacking most of the V region and all of the CH1 region.,miscellaneous:Disease protein ZUC lack most of the V region, all of the CH1 region, and part of the hinge compared with normal gamma-3 heavy chains.,miscellaneous:EU also differs in the amidation states of residues 155, 166, 177, 195, 198, 269, and 272 and in the order of residues 268-272.,miscellaneous:KOL also differs in the amidation states of residues 198, 267 and 272.,miscellaneous:Nie also differs in the amidation states of 35, 116, 198, 269 and 272.,miscellaneous:Nie h

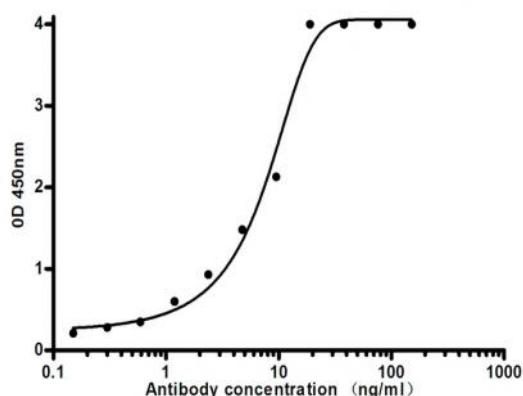
Subcellular Location :

[Isoform 1]: Secreted. During differentiation, B-lymphocytes switch from expression of membrane-bound IgM to secretion of IgM.; [Isoform 2]: Cell membrane; Single-pass type I membrane protein.

Expression :

Dermoid tumor,Esophagus tumor,Glandular pool- thyroid,Liver,Neuroblastoma,P

Products Images



Indirect ELISA assay for Mouse Anti-human IgM mouse mAb. Antigen coating concentration: 2ug/ml.