



Human IgM mouse mAb

Catalog No	YP-Ab-04492
Isotype	IgG
Reactivity	Human
Applications	ELISA
Gene Name	igm
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
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	ELISA 1:10000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Human IgM;igm;AGM1;Constant region of heavy chain of IgM;DKFZp686l15196; DKFZp686l15212;FLJ00385;lg mu chain C region;IGHM;Immunoglobulin heavy constant mu;Immunoglobulin mu;MGC104996;MGC52291;MU;VH.
Observed Band	75kD
Calculated Molecular Weight	75kD
Cell Pathway	[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.
Tissue Specificity	Dermoid tumor,Esophagus tumor,Glandular pool- thyroid,Liver,Neuroblastoma,P
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

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. TheIGHM gene encodes the C region of the mu heavy chain, which d

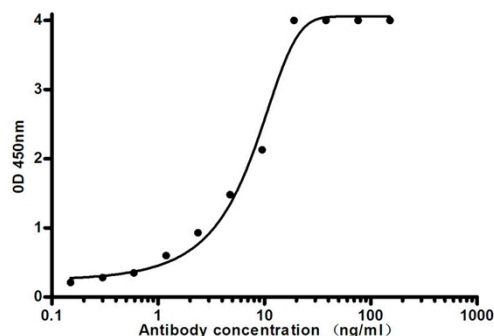
matters needing attention

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



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