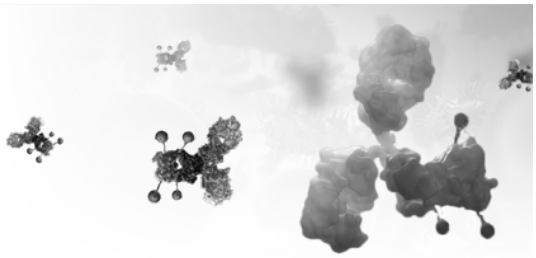

Rabbit Anti-Human IgM monoclonal antibody, clone KG95-10 (CABT-BL8601)

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

PRODUCT INFORMATION

Target	Human IgM
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	KG95-10
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IHC, IP
Molecular Weight	75 kDa
Cellular Localization	Secreted, Cell membrane.
Positive Control	Human plasma tissue, human tonsil tissue, human spleen tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Immunoglobulin M (IgM) is the largest circulating antibody molecule in humans. It consists of a heavy chain (μ-chain) and a light chain (κ- or λ-chain), as well as 5 base units and 10 binding sites, though it cannot bind all 10 simultaneously because of steric hindrance. IgM chain C refers to the constant region of the IgM heavy chain that is involved in immune regulation. IgM forms polymers by covalently linking multiple immunoglobulins together with disulfide bonds. It normally exists as a pentamer, but occasionally as a hexamer. Because of its polymeric nature, IgM has high avidity, and it is especially effective at complement activation. Due to its large size, IgM does not diffuse well, and it is found in the interstitium in very low amounts. IgM is mainly found in serum; however, because of the J chain, it is also important as a secretory immunoglobulin. IgM is the first immunoglobulin expressed by mature B cells, and it normally appears early in the course of an infection and does not reappear after further exposure.
Keywords	Immunoglobin heavy chain constant region mu edit item name - Immunoglobin heavy chain mu constant region;Immunoglobin heavy chain constant region mu;AGM1;Constant region of heavy chain of IgM;DKFZp686I15196;DKFZp686I15212;FLJ00385;Ig mu chain C region;IGHM;IgM heavy chain constant region;Immunoglobin heavy constant mu;Immunoglobulin mu;MGC104996;MGC52291;MU;VH antibody

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