

Mouse anti-Human IgM Antibody | anti-IgM antibody

Anti-Hu IgM Biotin

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA129332	Mouse	Human	ELISA, Flow Cytometry, Functional Assay, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot

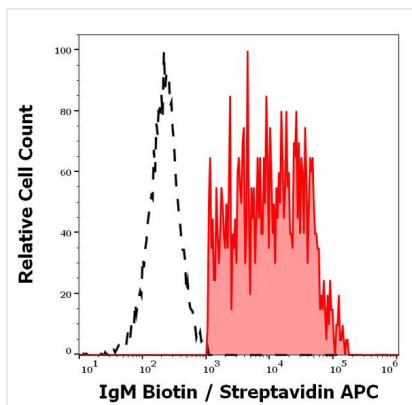
PRODUCT SYNONYMS

IgM; Anti-Hu IgM Biotin; immunoglobulin M; anti-IgM antibody

PRODUCT SPECIFICATIONS

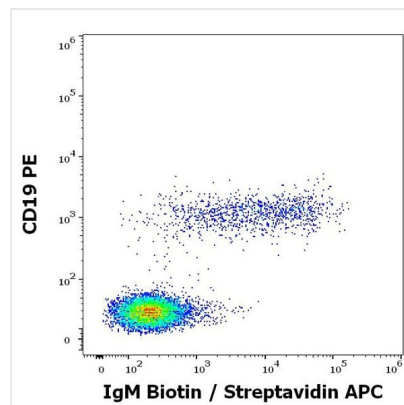
Host	Mouse
Reactivity	Human
Isotype	Mouse IgG1
Clone Number	CH2
Specificity	The antibody CH2 reacts with Fc fragment of human IgM.
Purity/Purification	Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.
Form/Format	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-IgM antibody	ELISA, FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	Purified human IgM.
Conjugation	Biotin
Preparation and Storage	Store at 2-8 degree C. Do not freeze.

IMAGES



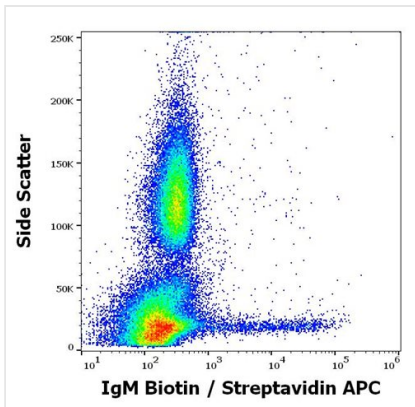
FCM/FACS (Flow Cytometry)

Separation of human IgM positive CD19 positive B cells (red-filled) from IgM negative CD19 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human IgM Biotin antibody (concentration in sample 5ug/ml, Streptavidin APC).



FCM/FACS (Flow Cytometry)

Flow cytometry multicolor surface staining pattern of human lymphocytes stained using anti-human CD19 (LT19) PE antibody (20ul reagent/100ul of peripheral whole blood) and anti-human IgM Biotin antibody (concentration in sample 5ug/ml, Streptavidin APC).



FCM/FACS (Flow Cytometry)

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human IgM Biotin antibody (concentration in sample 5ug/ml, Streptavidin APC).

ADDITIONAL INFORMATION

Related Product Information for anti-IgM antibody	Immunoglobulin M (IgM) is produced as a 900 kDa pentamer, which is an efficient complement binder. This antibody type is produced initially in the immune response and it is the first immunoglobulin class to be synthesized by a fetus or newborn. IgM antibodies do not cross the placenta. IgM concentration in blood is 0.12 g/l and its biological survival (plasma T1/2) is 5 days.
References	*Franklin EC: Structure and function of immunoglobulins. Acta Endocrinol Suppl (Copenh). 1975;194:77-95., URL: https://www.ncbi.nlm.nih.gov/pubmed/47690 ordinalp,*Fuller JM, Keyser JW: Serum immunoglobulins after surgical operation. Clin Chem. 1975 May;21(6):667-71., URL: https://www.ncbi.nlm.nih.gov/pubmed/1122610 ordina,*Balogh Z, Merétey K, Falus A, Bozsóky S: Serological abnormalities in juvenile chronic arthritis: a review of 46 cases. Ann Rheum Dis. 1980 Apr;39(2):129-34., URL: https://www.ncbi.nlm.nih.gov/pubmed/6966908 ordina,*Brinkmann V, Heusser CH: T cell-dependent differentiation of human B cells into IgM, IgG, IgA, or IgE plasma cells: high rate of antibody production by IgE plasma cells, but limited clonal expansion of IgE precursors. Cell Immunol. 1993 Dec;152(2):323-32., URL: https://www.ncbi.nlm.nih.gov/pubmed/8258141 ordina,

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
 Online datasheet: <https://stage.aaabiotech.com/mouse-human-antibody/igm/129332>