

ARG53951 anti-IgM antibody [CH2] (APC)

Package: 100 µg
Store at: 4°C

Summary

Product Description	Allophycocyanin-conjugated Mouse Monoclonal antibody [CH2] recognizes IgM
Tested Reactivity	Hu
Tested Application	FACS
Specificity	The clone CH2 reacts with Fc fragment of human IgM.
Host	Mouse
Clonality	Monoclonal
Clone	CH2
Isotype	IgG1
Target Name	IgM
Species	Human
Immunogen	Purified human IgM.
Conjugation	Allophycocyanin

Application Instructions

Application table	Application	Dilution
	FACS	1 µg/ml

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification Note	The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography .
Buffer	PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA
Preservative	15 mM Sodium azide
Stabilizer	0.2% (w/v) high-grade protease free BSA
Concentration	0.1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 959 Human](#)

[Swiss-port # P29965 Human](#)

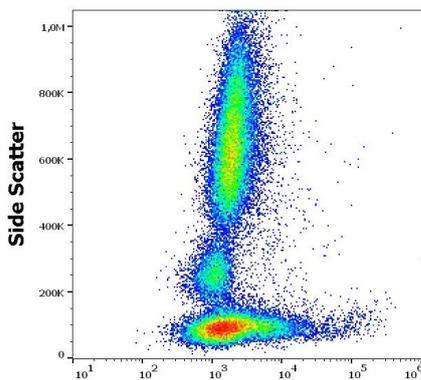
Background

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.

Research Area

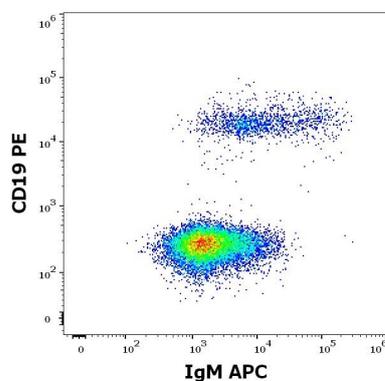
Cell Biology and Cellular Response antibody; Developmental Biology antibody; Immune System antibody

Images



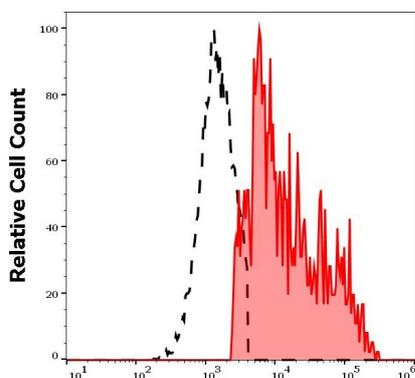
ARG53951 anti-IgM antibody [CH2] (APC) FACS image

Flow Cytometry: Human peripheral whole blood stained with ARG53951 anti-IgM antibody [CH2] (APC) at 0.6 µg/ml dilution.



ARG53951 anti-IgM antibody [CH2] (APC) FACS image

Flow Cytometry: Human lymphocytes stained with ARG53951 anti-IgM antibody [CH2] (APC) at 0.6 µg/ml dilution and [ARG53783](#) anti-CD19 antibody [LT19] (PE) (20 µl reagent / 100 µl of peripheral whole blood).



ARG53951 anti-IgM antibody [CH2] (APC) FACS image

Flow Cytometry: Separation of human IgM positive B cells (red-filled) from IgM negative CD19 negative lymphocytes (black-dashed). Human peripheral whole blood stained with ARG53951 anti-IgM antibody [CH2] (APC) at 0.6 µg/ml dilution.