

Rat anti-Murine CD22 Monoclonal Antibody | anti-CD22 antibody

CD22 antibody (PE)

CATALOG # AAA74620	HOST Rat	REACTIVITY Murine	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD22; Monoclonal Antibody; CD22 antibody (PE); Monoclonal CD22; Anti-CD22; CD-22; FcεRII; CD 22; anti-CD22 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Murine
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2D6
Specificity	Murine
Form/Format	Supplied as a liquid in PBS, with NaN3 added as preservative.
Concentration	0.1 mg/ml (varies by lot)
Sequence Length	40
Applicable Applications for anti-CD22 antibody	FCM/FACS (Flow Cytometry)
Biological Significance	CD22 or cluster of differentiation-22, is a molecule belonging to the SIGLEC family of lectins. It is found on the surface of mature B cells and to a lesser extent on some immature B cells. Generally speaking, CD22 is a regulatory molecule that prevents the overactivation of the immune system and the development of autoimmune diseases. CD22 is a sugar binding transmembrane protein, which specifically binds sialic acid with an immunoglobulin (Ig) domain located at its N-terminus. The presence of Ig domains makes CD22 a member of the immunoglobulin superfamily. CD22 functions as an inhibitory receptor for B cell receptor (BCR) signalling.
Biohazard Information	This product contains sodium azide as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.
Tag/Conjugate	PE
Immunogen	CD22 antibody (PE) was raised in rat using CD22 as the immunogen.
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for anti-CD22 antibody	Rat monoclonal CD22 antibody (PE)
Product Categories/Family for anti-CD22 antibody	Immunology ; Conjugated Monoclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4126455
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NCBI GeneID	933
UniProt Accession #	Q9UQB2; P20273
Molecular Weight	4,495 Da
NCBI Official Full Name	CD22, partial
NCBI Official Synonym Full Names	CD22 molecule
NCBI Official Symbol	CD22
NCBI Official Synonym Symbols	SIGLEC2; SIGLEC-2
NCBI Protein Information	B-cell receptor CD22
UniProt Protein Name	CD22 protein
UniProt Gene Name	CD22
UniProt Entry Name	Q9UQB2_HUMAN

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.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd22-antibody-clone-2d6-flow-cytometry-elisa/74620>