

CD22 recombinant antibody

Rabbit anti-CD22 Recombinant Monoclonal Antibody [BLR214K]

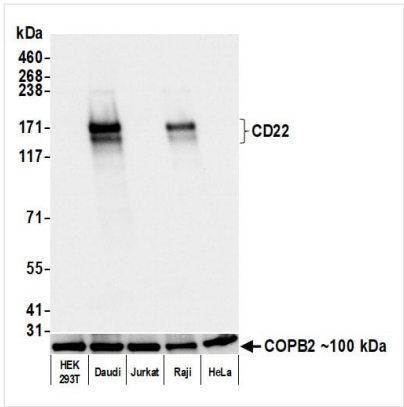
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213644	Rabbit	Human	Flow Cytometry, Functional Assay, Immunocytochemistry, Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

CD22; Monoclonal Recombinant Antibody; Rabbit anti-CD22 Recombinant Monoclonal Antibody [BLR214K]; sialic acid-binding Ig-like lectin 2; T-cell surface antigen Leu-14; SIGLEC-2; SIGLEC2; CD antigen CD22; B-lymphocyte cell adhesion molecule; BL-CAM; B-cell receptor CD22; CD22 antigen; CD22 molecule; CD22 recombinant antibody

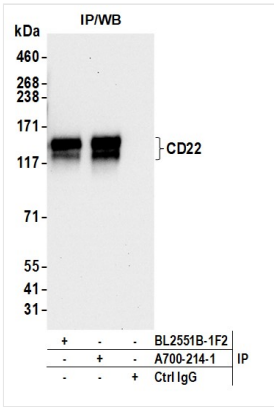
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	BLR214K
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	500ug/ml (varies by lot)
Applicable Applications for CD22 recombinant antibody	FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Residues 20-687 (ECD)
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



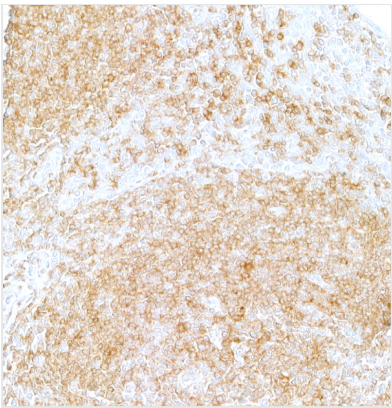
WB (Western Blot)

Detection of human CD22 by western blot. Samples: Whole cell lysate (5 ug) from HEK293T, Daudi, Jurkat, Raji, and HeLa cells prepared using NETN lysis buffer. Antibody: Rabbit anti-CD22 recombinant monoclonal antibody (AAA213644 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 1 second. Lower Panel: Rabbit anti-COPB2 antibody .



IP (Immunoprecipitation)

Detection of human CD22 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from Daudi cells prepared using NETN lysis buffer. Antibodies: Rabbit anti-CD22 recombinant monoclonal antibody (AAA213644 lot 1) used for IP at 12 ul/mg lysate. CD22 was also immunoprecipitated by a second antibody against a different epitope of CD22 (BL-2551B-1F2). For blotting immunoprecipitated CD22, AAA213644 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 10 seconds.



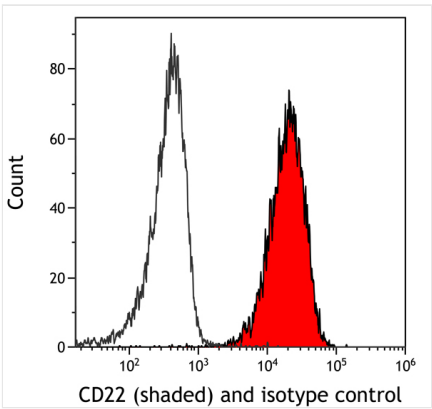
IHC (Immunohistochemistry)

Detection of human CD22 by immunohistochemistry. Sample: FFPE section of tonsil. Antibody: Rabbit anti-CD22 recombinant monoclonal antibody (AAA213644-1). Secondary: HRP-conjugated goat anti-rabbit IgG .



ICC (Immunocytochemistry)

Detection of human CD22 by immunocytochemistry. Sample: FFPE section of daudi cells. Antibody: Rabbit anti-CD22 recombinant monoclonal antibody (AAA213644-1). Secondary: HRP-conjugated goat anti-rabbit IgG .



FCM/FACS (Flow Cytometry)

Detection of human CD22 (shaded) in Raji cells by flow cytometry. Antibody: Rabbit anti-CD22 recombinant monoclonal antibody (AAA213644) or isotype control (unshaded). Secondary: DyLight 650-conjugated goat anti-rabbit IgG .

ADDITIONAL INFORMATION

Related Product Information for CD22 recombinant antibody	CD22 mediates B-cell B-cell interactions and is involved in the localization of B-cells in lymphoid tissues. CD22 binds sialylated glycoproteins including CD45. It is involved in B cell activation; negative regulation of the B cell receptor signaling pathway; and regulation of endocytosis. [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/P20273].
Product Categories/Family for CD22 recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	157168355
NCBI GeneID	933
NCBI Accession #	NP_001762.2
NCBI GenBank Nucleotide #	NM_001771.3
UniProt Accession #	P20273; O95699; O95701; O95702; O95703; Q01665; Q32M46; Q92872; Q92873; Q9UQA6; F5GYU4; F5H7U3
NCBI Official Full Name	B-cell receptor CD22 isoform 1
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; BL-CAM; CD22 antigen; T-cell surface antigen Leu-14; B-lymphocyte cell adhesion molecule; sialic acid binding Ig-like lectin 2; sialic acid-binding Ig-like lectin 2
UniProt Protein Name	B-cell receptor CD22
UniProt Gene Name	CD22
UniProt Synonym Gene Names	SIGLEC2; BL-CAM; Siglec-2
UniProt Entry Name	CD22_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://stage.aaabiotech.com/monoclonal/cd22-recombinant-antibody-clone-blr214k-flow-cytometry-immunocytochemistry-immunohistochemistry-immunoprecipitation-western-blot-elisa/213644>