ARG66097
anti-CD22 antibody (Biotin)

Package: 50 µg
Store at: 4°C

Summary

Product Description	Biotin-conjugated Rabbit Polyclonal antibody recognizes CD22
Tested Reactivity	Hu
Tested Application	ELISA, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD22
Species	Human
Immunogen	CHO cells derived recombinant Human CD22. (SKWVFEHPET LYAWEGACVW IPCTYRALDG DLESFILFHN PEYNKNTSKF DGTRLYESTK DGKVPSEQKR VQFLGDKNKN CTLSIHPVHL NDSGQLGLRM ESKTEKWMER IHLNVSERPF PPHIQLPPEI QESQEVTLTC LLNFSCYGYP IQLQWLLEGV PMRQAAVTST SLTIKSVFTR SELKFSPQWS HHGKIVTCQL QDADGKFLSN DTVQLNVKHT PKLEIKVTPS DAIVREGDSV TMTCEVSSSN PEYTTVSWLK DGTSLKKQNT FTLNLREVTK DQSGKYCCQV SNDVGPGRSE EVFLQVQYAP EPSTVQILHS PAVEGSQVEF LCMSLANPLP TNYTWYHNGK EMQGRTEEKV HIPKILPWHA GTYSCVAENI LGTGQRGPGA ELDVQYPPKK VTTVIQNPMP IREGDTVTLS CNYNSSNPSV TRYEWKPHGA WEEPSLGVLK IQNVGWDNTT IACARCNSWC SWASPVALNV QYAPRDVRVR KIKPLSEIHS GNSVSLQCDF SSSHPKEVQF FWEKNGRLLG KESQLNFDSI SPEDAGSYSC WVNNSIGQTA SKAWTLEVLY APRRLRVSMS PGDQVMEGKS ATLTCESDAN PPVSHYTWFD WNNQSLPHHS QKLRLEPVKV QHSGAYWCQG TNSVGKGRSP LSTLTVYYSP ETIGRR)
Conjugation	Biotin
Alternate Names	B-lymphocyte cell adhesion molecule; B-cell receptor CD22; T-cell surface antigen Leu-14; BL-CAM; SIGLEC-2; Sialic acid-binding Ig-like lectin 2; Siglec-2; CD antigen CD22; SIGLEC2

Application Instructions

Application table

Application	Dilution
ELISA	Direct: 0.25 - 1.0 µg/ml Sandwich: 0.25 - 1.0 µg/ml with ARG66096 as a capture antibody
WB	0.1 - 0.2 µg/ml

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

Properties

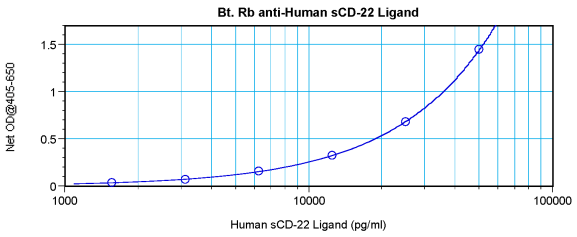
Form	Liquid
Purification	Purified by affinity chromatography.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml

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

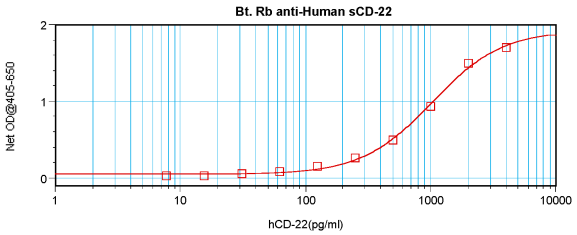
Database links	GeneID: 933 Human Swiss-port # P20273 Human
Gene Symbol	CD22
Gene Full Name	CD22 molecule
Function	Mediates B-cell B-cell interactions. May be involved in the localization of B-cells in lymphoid tissues. Binds sialylated glycoproteins; one of which is CD45. Preferentially binds to alpha-2,6-linked sialic acid. The sialic acid recognition site can be masked by cis interactions with sialic acids on the same cell surface. Upon ligand induced tyrosine phosphorylation in the immune response seems to be involved in regulation of B-cell antigen receptor signaling. Plays a role in positive regulation through interaction with Src family tyrosine kinases and may also act as an inhibitory receptor by recruiting cytoplasmic phosphatases via their SH2 domains that block signal transduction through dephosphorylation of signaling molecules. [UniProt]
Research Area	Cancer antibody; Developmental Biology antibody; Immune System antibody; Immature B Cell Marker antibody
Calculated Mw	95 kDa
PTM	Phosphorylation of Tyr-762, Tyr-807 and Tyr-822 are involved in binding to SYK, GRB2 and SYK, respectively. Phosphorylation of Tyr-842 is involved in binding to SYK, PLCG2 and PIK3R1/PIK3R2. Phosphorylated on tyrosine residues by LYN.

Images



ARG66097 anti-CD22 antibody (Biotin) standard curve image

Direct ELISA: ARG66097 anti-CD22 antibody (Biotin) at 0.25 - 1.0 µg/ml results of a typical standard run with optical density reading at 405 - 650 nm.



ARG66097 anti-CD22 antibody (Biotin) standard curve image

Sandwich ELISA: ARG66097 anti-CD22 antibody (Biotin) as a detection antibody at 0.25 - 1.0 µg/ml combined with ARG66096 anti-CD22 antibody as a capture antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.