

Product datasheet for **AR31157PU-N**

CD22 Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CD22 human recombinant protein, 20 µg
Species:	Human
Expression Host:	CHO
Expression cDNA Clone or AA Sequence:	SKWVFEHPET LYAWEGACVW IPCTYRALDG DLESFILFHN PEYNKN TSKF DGTRLYESTK DGKVPSEQKR VQFLGDKNKN CTLSIHPVHL N DSGQLGLRM ESKTEKWMER IHLNVSERPF PPHIQLPPEI QESQEVLT LTC LLNFSCYGY IQLQWLLEGV PMRQAAVTST SLTIKSVFTR SE LKFSQPWS HHGKIVTCQL QDADGKFLSN DTVQLNVKHT PKLEIKVT PS DAIVREGDSV TMTCEVSSSN PEYTTVSWLK DGTSLKKQNT FTL NLREVTK DQSGKYCCQV SNDVGPGRSE EVFLQVQYAP EPSTVQILH S PAVEGSQVEF LCMSLANPLP TNYTWYHNGK EMQGRTEEKV HIPK ILPWHA GTYSCVAENI LGTGQRGPGA ELDVQYPPKK VTTVIQNPMP IREGDVTLS CNYNSSNPSV TRYEWKPHGA WEEPSLGVLK IQNVG WDNTT IACARCNSWC SWASPVALNV QYAPRDVRVR KIKPLSEIHS GNSVSLQCDF SSSHPKEVQF FWEKNGRLLG KESQLNFDSI SPEDAG SYSC WNNNSIGQTA SKAWTLEVLY APRRLRVSMS PGDQVMGKS A TLTCESDAN PPVSHYTWFD WNNQSLPHHS QKLRLEPVKV QHSGAYW CQG TNSVGKGRSP LSTLTVYYSP ETIGRR
Predicted MW:	75 kDa
Purity:	>98% by SDS-PAGE & HPLC analysis
Buffer:	Presentation State: Purified State: Lyophilized purified protein Buffer System: PBS without stabilizers
Bioactivity:	Biological: Determined by its ability to inhibit the proliferation of Raji cells. The expected ED50 for this effect is 10-17 µg/ml.
Reconstitution Method:	We recommended a quick spin followed by reconstitution in water to a concentration of 0.1-1.0 mg/ml. This solution can be diluted into other aqueous buffers and stored at 4°C for one week or at -20°C for future use.
Preparation:	Lyophilized purified protein
Protein Description:	Recombinant Human CD22 is a soluble 75.0 kDa (666 amino acid residues) protein which corresponds to the extracellular domain of CD22.
Note:	Centrifuge vials before opening!



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Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Locus ID:	79978
Cytogenetics:	19q13.13
Synonyms:	SIGLEC-2; SIGLEC2
Summary:	CD22 is a 135 kDa B-cell restricted sialoglycoprotein that binds to oligosaccharides containing 2-6-linked sialic acid residues. It is present in the cytoplasm of nearly all B-lineage cells and is also expressed on the surface of B-cells during advance stages of differentiation. Although the exact physiological function of CD22 is unclear, it appears to play a role in B-cell activation and to act as an adhesion molecule. The potential therapeutic use of CD22 and anti-CD22 may be useful in diagnostic and/or treatment of leukemia, lymphoma, non-Hodgkin's lymphoma and certain autoimmune conditions. (Cesano A. and Gayko U. Semin. Oncol. Apr. 2003 (2): 253-257).