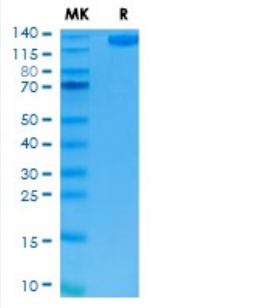
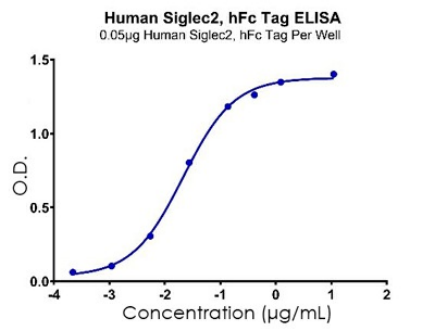
Bioactive HuPro®

CD22 (Human) Recombinant Protein

Catalog # P7654 Size 100 ug

Applications





Result of bioactivity analysis

Result of bioactivity analysis

Specification

Product Description	Human CD22 (P20273, 20 a.a. - 687 a.a.) partial recombinant protein with hFc tag at C-terminus expressed in Expi293 cells.
Sequence	DSSKWVFEHPETLYAWEGACVWIPCTYRALDGDLESFILFHNPEYNKNTSKFDGTRLYESTKDGK VPSEQKRVQFLGDKNKNCTLSIHPVHLNDSGQLGLRMESKTEKWMERIHLNVSERPFPPHIQLPP EIQESQEVTLTCLLNFSCYGYPIQLQWLLEGVPMRQAAVTSTSLTIKSVFTRSELKFSPQWSHHGKI VTCQLQDADGKFLSNDTVQLNVKHTPKLEIKVTPSDAIVREGDSVTMTCEVSSSNPEYTTVSWLK DGTSLKKQNTFTLNLREVTKDQSGKYCCQVSNDVGPGRSEEVFLQVQYAPEPSTVQILHSPAVE GSQVEFLCMSLANPLPTNYTWYHNGKEMQGRTEEKVHIPKILPWHAGTYSCVAENILGTGQRGPG AELDVQYPPKKVTTVIQNPMPIREGDTVTLSCNYNSSNPSVTRYEWKPHGAWEEPSLGVLKIQNV GWDNTTIACAACNSWCSWASPVALNVQYAPRDVRVRKIKPLSEIHSGNSVSLQCDFSSSHPKEV QFFWEKNGRLLGKESQLNFDSISPEDAGSYSCWVNNSIGQTASKAWTLEVLYAPRRLRVSMSPG DQVMEGKSATLTCESDANPPVSHYTWFDWNNQSLPYHSQKLRLEPVKVQHSGAYWCQGTNSV GKGRSPLSTLTVYYSPETIGRR

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Host	Mammals
Theoretical MW (kDa)	120-130
Form	Lyophilized
Preparation Method	Mammalian cell (Expi293) expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	Immobilized Human Siglec2 at 0.5 ug/mL (100 uL/Well). Dose response curve for Biotinylated Anti-Siglec2 Ab with the EC_{50} of 0.2 ug/mL determined by ELISA.
Quality Control Testing	SDS-PAGE under reducing condition
Storage Buffer	Lyophilized from sterile distilled Water up to 100 ug/mL
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis Result of bioactivity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — CD22

Entrez GeneID	933
Protein Accession#	P20273
Gene Name	CD22
Gene Alias	FLJ22814, MGC130020, SIGLEC-2, SIGLEC2
Gene Description	CD22 molecule
Omim ID	107266
Gene Ontology	Hyperlink

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Other Designations	CD22 antigen

Pathway

- B cell receptor signaling pathway
- Cell adhesion molecules (CAMs)
- Hematopoietic cell lineage

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Lupus Erythematosus
- Scleroderma

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