



Recombinant Human B-lymphocyte antigen CD19 (CD19), partial, Biotinylated (Active)

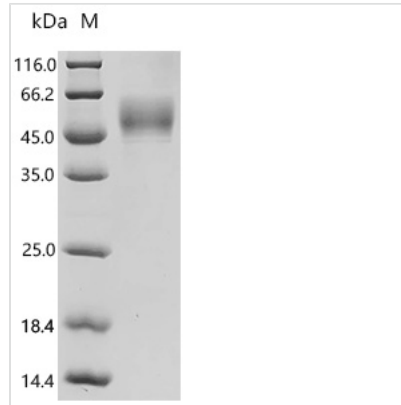
Product Code	CSB-MP004888HUK7-B
Abbreviation	Recombinant Human CD19 protein, partial, Biotinylated (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P15391
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	<p>① Measured by its binding ability in a functional ELISA. Immobilized Human CD19 at 2 µg/mL on streptavidin coated plates can bind Anti-CD19 recombinant antibody (CSB-RA004888MA2HU). The EC50 is 0.9132-1.281 ng/mL.</p> <p>② CD19 Recombinant Monoclonal Antibody (CSB-RA004888MA2HU) captured on Protein A Chip can bind Recombinant Human CD19 with an affinity constant of 3.97 nM as detected by MetaSPR Assay (WeSPRTM 200).</p> <p>③ Measured by its binding ability in a functional ELISA. Immobilized Human CD19 at 2 µg/mL on streptavidin coated plates can bind Anti-CD19 recombinant antibody (CSB-RA004888MA3HU). The EC50 is 0.8681-1.108 ng/mL.</p> <p>④ CD19 Recombinant Monoclonal Antibody (CSB-RA004888MA3HU) captured on Protein A Chip can bind Recombinant Human CD19 with an affinity constant of 0.955 nM as detected by MetaSPR Assay (WeSPRTM 200).</p>
Purity	Greater than 95% as determined by SDS-PAGE.
Sequence	PEEPLVVKVEEGDNAVLQCLKGTSDGPTQQLTWSRESPLKPFLLKSLGLPGLG IHMRLAIWLFIFNVSQMGGFYLCQPGPPSEKAWQPGWTVNVEGSGELFR WNVSDLGGLGCGLNRSSEGPSSPSGKLMSPKLYVWAKDRPEIWEGEPPCL PPRDSLNLQSLSQDLTMAPGSTLWLSGCVPPDSVSRGPLSWTHVHPKGPKSL SLELKDDRPARDMWVMMETGLLLPRATAQDAGKYCHRGNLTMSFHLEITARP VLWHWLLRTGGWK
Source	Mammalian cell
Target Names	CD19
Expression Region	20-291aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 10xHis-Avi-tagged



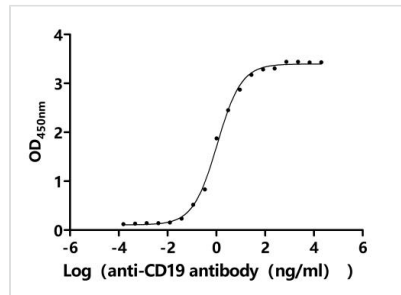
Mol. Weight 35.0 kDa

Protein Length Partial

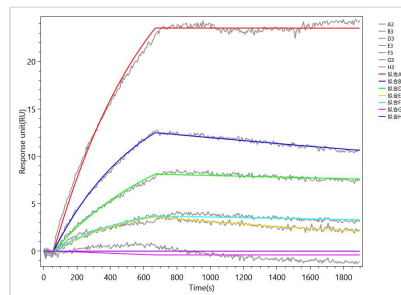
Image



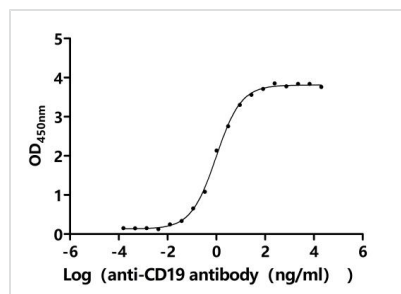
(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



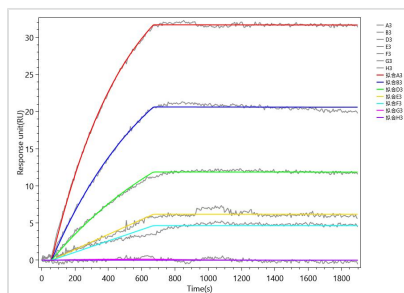
Activity
Measured by its binding ability in a functional ELISA. Immobilized Human CD19 at 2 $\mu\text{g/ml}$ on streptavidin coated plates can bind Anti-CD19 recombinant antibody (CSB-RA004888MA2HU). The EC_{50} is 0.9132-1.281 ng/mL.



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Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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