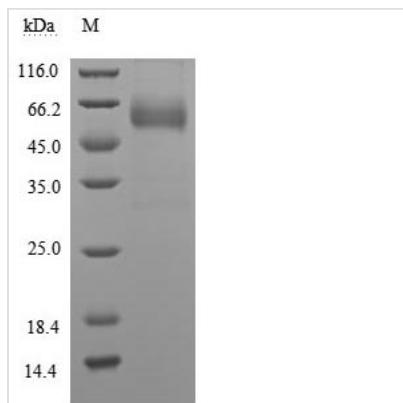


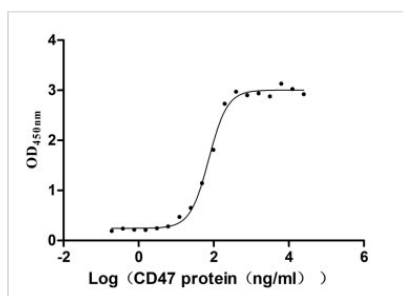


Recombinant Human Leukocyte surface antigen CD47 (CD47), partial (Active)

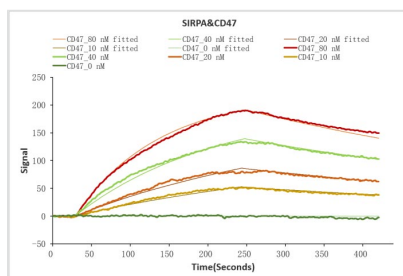
Product Code	CSB-MP004940HU
Relevance	Has a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins.
Abbreviation	Recombinant Human CD47 protein, partial (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, 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.	Q08722
Form	Lyophilized powder
Product Type	Others
Immunogen Species	Homo sapiens (Human)
Biological Activity	①Measured by its binding ability in a functional ELISA. Immobilized SIRPA (CSB-MP021334HU) at 2 µg/ml can bind human CD47, the EC ₅₀ of human CD47 protein is 65.91-82.42 ng/ml.②Human SIRPA protein His/Myc tag (CSB-MP021334HU) captured on COOH chip can bind Human CD47 protein Fc tag (CSB-MP004940HU) with an affinity constant of 19.1 nM as detected by LSPR Assay.
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	QLLFNKTKSVEFTFCNDTVVIPCFVTNMEAQNTTEVYVKWKFKGRDIYTFDGA LNKSTVPTDFSSAKIEVSQLLKGDASLKMDSKSDAVSHTGNYTCEVTELTREG TIIELKYRVVSWFSP
Research Area	Cancer
Source	Mammalian cell
Target Names	CD47
Expression Region	19-139aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal hFc1-tagged
Mol. Weight	41.5 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 SIRPA (CSB-MP021334HU) at 2 µg/ml can bind human CD47, the EC₅₀ of human CD47 protein is 65.91-82.42 ng/ml.



Human SIRPA protein His/Myc tag (CSB-MP021334HU) captured on COOH chip can bind Human CD47 protein Fc tag (CSB-MP004940HU) with an affinity constant of 19.1 nM as detected by LSPR Assay.

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

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.