

CD46, human recombinant protein**Membrane cofactor protein isoform 14, AHUS2, MCP, MIC10, TLX, TRA2.10****Catalog # PBV10938r****Specification**

CD46, human recombinant protein - Product info

Primary Accession	P15529
Concentration	1
Calculated MW	33.8 kDa (302 aa, 35-313 aa + His tag), confirmed by MALDI-TOF. KDa

CD46, human recombinant protein - Additional Info

Gene ID	4179
Gene Symbol	CD46
Other Names	
Membrane cofactor protein isoform 14, AHUS2, MCP, MIC10, TLX, TRA2.10	
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥85%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MGSSHHHHHH SGLVPRGSH MGSCEEPPTF EAMELIGKPK PYEIGERVD YKCKKGYFYI PPLATHTICD RNHTWLPVSD DACYRETCPY IRDPLNGQAV PANGTYEFGY QMHFICNEGY YLIGEEILYC ELKGSVAIWS GKPPICEKVL CTPPPKIKNG KHTFSEVEVF EYLDAVTYSC DPAPGDPFS LIGESTIYCG DNSVWSRAAP ECKVVKCRFP VVENGKQISG FGKKFYKAT VMFECDKGFY LDGSDTIVCD SNSTWDPPVP KCLKGPRPTY KPPVSNYPGY KPPEGILDS LD

Target/Specificity

CD46

Format

Liquid

Storage

-80°C; 1 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 0.1 M NaCl and 20% glycerol.

CD46, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD46, human recombinant protein - Images

CD46, human recombinant protein - Background

Membrane cofactor protein isoform 14, also known as CD46, is a type I membrane protein that has cofactor activity for inactivation of complement components C3b and C4b by serum factor I. This function resides in the complement control protein repeats (CCPs), with CCP1-4 essential for regulation. CD46 is widely distributed on thymocytes, T cells, B cells, monocytes, granulocytes, NK cells, platelets, endothelial cells, epithelial cells, fibroblasts, placenta and sperm, but not on erythrocyte. Recombinant human CD46 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

CD46, human recombinant protein - References

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