

## Product Datasheet

### Human CD46 protein (orb624103)

<b>Catalog Number</b>	orb624103
<b>Category</b>	Proteins
<b>Description</b>	This Human CD46 protein spans the amino acid sequence from region 35-328aa. Purity: Greater than 92% as determined by SDS-PAGE.
<b>Tag</b>	C-terminal hFc1-tagged
<b>Form/Appearance</b>	Lyophilized powder
<b>Buffer/Preservatives</b>	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4
<b>Purity</b>	Greater than 92% as determined by SDS-PAGE.
<b>Protein Sequence</b>	CEEPPTFEAMELIGKPKPYEIGERVDYKCKKGYFYIPPLATHHTICDRNHTWLPVSDDACRYE TCPYIRDPLNGQAVPANGTYEFGYQMHFICNEGYYLIGEEILYCELKGSVAIWSGKPPICEKVL CTPPPKIKNGKHTFSEVEVFEYLDVAVTYSDDPAPGDPFSLIGESTIYCGDNSVWSRAAPECK VVKCRFPVVENGGKQISGFGKGFYKATVMFECDKGFYLDGSDTIVCDSNSTWDPPVPKCLK VLPPSSTKPPALSHSVSTSTTKSPASSASGPRPTYKPPVSNY
<b>Protein Length</b>	Partial
<b>UniProt ID</b>	<b>P15529</b>
<b>MW</b>	61.6 kDa
<b>Application notes</b>	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.
<b>Endotoxins</b>	Less than 1.0 EU/µg as determined by LAL method.

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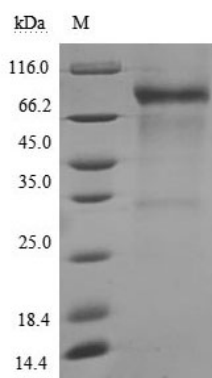
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<b>Source</b>	Mammalian cell
<b>Biological Origin</b>	Homo sapiens (Human)
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized CD46 at 2 µg/ml can bind Anti-CD46 rabbit monoclonal antibody, the EC50 of human CD46 protein is 0.8333-1.054 ng/ml.
<b>Expression Region</b>	35-328aa
<b>Storage</b>	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.
<b>Note</b>	For research use only
<b>Expiration Date</b>	6 months from date of receipt.



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

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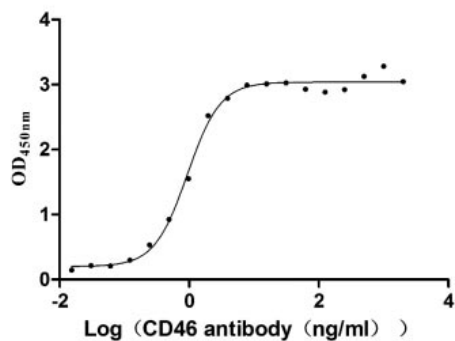
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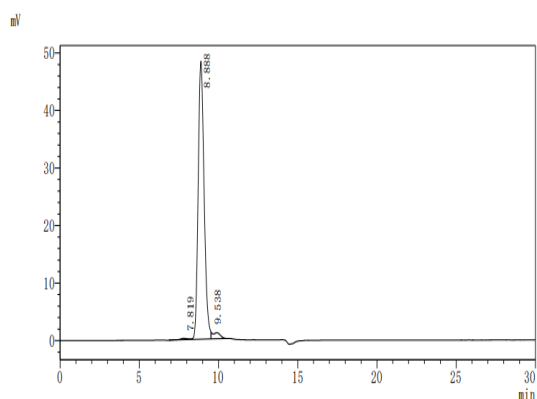
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Measured by its binding ability in a functional ELISA. Immobilized CD46 at 2  $\mu$ g/ml can bind Anti-CD46 rabbit monoclonal antibody, the EC<sub>50</sub> of human CD46 protein is 0.8333-1.054 ng/ml.



The purity of Human CD46 was greater than 95% as determined by SEC-HPLC

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