

## Product Datasheet

### Recombinant human CD47 protein, C-hFc (HEK293) (orb1516486)

|                          |                                                                                                                                                                                                                                                                                                                                   |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog Number</b>    | orb1516486                                                                                                                                                                                                                                                                                                                        |
| <b>Category</b>          | Proteins                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>       | Recombinant human CD47 protein, C-hFc (HEK293), with a concentration of >0.5 mg/ml, expressed in HEK293 cell, a purity of >95% as determined by Tris-Bis PAGE; >95% as determined by SEC-HPLC. It was purified by AC, and has a C-hFc tag. Due to glycosylation, the protein migrates to 55-65 kDa based on Tris-Bis PAGE result. |
| <b>Target</b>            | Leukocyte surface antigen CD47                                                                                                                                                                                                                                                                                                    |
| <b>Tag</b>               | C-hFc                                                                                                                                                                                                                                                                                                                             |
| <b>Concentration</b>     | >0.5 mg/ml                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>            | >95% as determined by Tris-Bis PAGE; >95% as determined by SEC-HPLC                                                                                                                                                                                                                                                               |
| <b>Purification</b>      | AC                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Sequence</b>  | 19-139/323                                                                                                                                                                                                                                                                                                                        |
| <b>MW</b>                | Due to glycosylation, the protein migrates to 55-65 kDa based on Tris-Bis PAGE result.                                                                                                                                                                                                                                            |
| <b>Application notes</b> | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.                                                                                                                                                                       |
| <b>Expression System</b> | HEK293 cell                                                                                                                                                                                                                                                                                                                       |
| <b>Endotoxins</b>        | 1.0 EU/µg as determined by LAL                                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>           | Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                                      |

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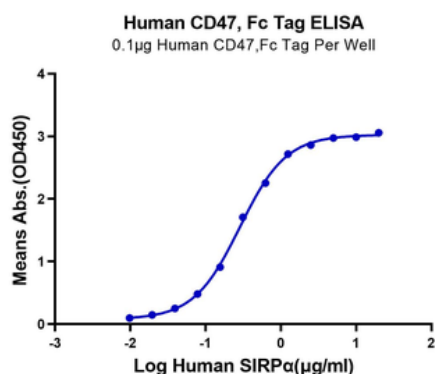
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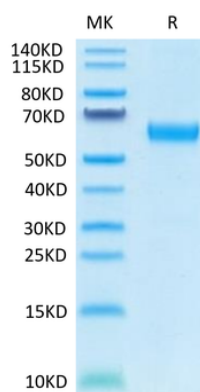
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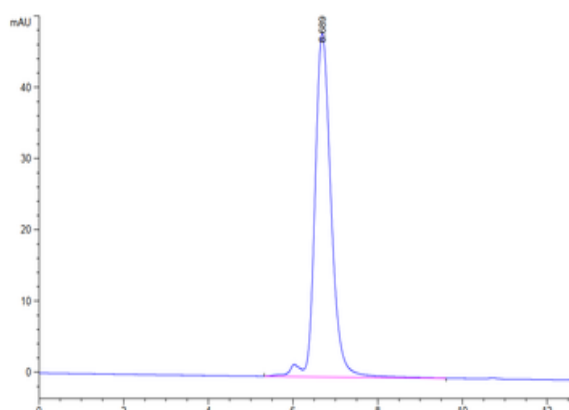
**Note** For research use only



Immobilized Human CD47 at 1 µg/ml (100 µl/Well). Dose response curve for Human SIRPα, His Tag, with the EC50 of 0.28 ug/ml determined by ELISA.



Recombinant CD47 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of CD47 is greater than 95% as determined by SEC-HPLC.

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