

## Recombinant Human CD47 protein, His-tagged

**Cat. No.** CD47-7862H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CD47 protein(Q08722-1)(Gln19-Pro139), fused with C-terminal His tag, was expressed in HEK293.                                                        |
| <b>Species</b>          | Human                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                 |
| <b>ProteinLength</b>    | Gln19-Pro139                                                                                                                                                           |
| <b>Tag</b>              | C-His                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.                                         |
| <b>Bio-activity</b>     | Immobilized Human CD47, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human SIRP alpha, hFc Tag with the EC50 of 82.1ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 14.5 kDa. Due to glycosylation, the protein migrates to 45-60 kDa based on Tris-Bis PAGE result.                                     |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.                                                                                                                                |
| <b>Purity</b>           | > 95% as determined by Tris-Bis PAGE                                                                                                                                   |

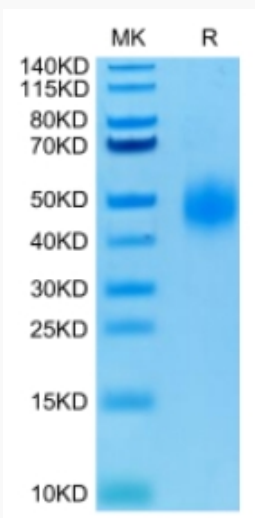
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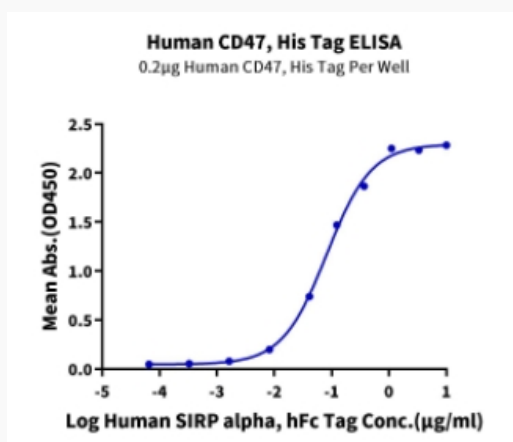
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|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                     |
| <b>Reconstitution</b>   | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.                                                                                                                                                                                                                                                                                                                  |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>        | CD47 CD47 molecule [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Official Symbol</b>  | CD47                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>         | CD47; CD47 molecule; CD47 antigen (Rh related antigen, integrin associated signal transducer) , MER6; leukocyte surface antigen CD47; antigen identified by monoclonal 1D8; antigenic surface determinant protein OA3; CD47 glycoprotein; IAP; integrin associated protein; OA3; Rh related antigen; Rh-related antigen; integrin-associated protein; integrin-associated signal transducer; CD47 antigen (Rh-related antigen, integrin-associated signal transducer); MER6; |
| <b>Gene ID</b>          | 961                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>      | NM_001777                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>   | NP_001768                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>MIM</b>              | 601028                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>       | Q08722                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

### Tris-Bis PAGE



### ELISA Data



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