

## Product Datasheet

### Human B7-2 Protein, mFc-His Tag (orb689395)

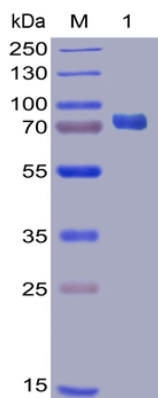
|                        |                                                                                                                                                                                                                                                     |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>     | Recombinant human B7-2 protein with C-terminal mouse Fc and 6×His tag                                                                                                                                                                               |
| <b>Reactivity</b>      | Human                                                                                                                                                                                                                                               |
| <b>Target</b>          | B7-2                                                                                                                                                                                                                                                |
| <b>Preservatives</b>   | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.                                                                      |
| <b>Form/Appearance</b> | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.                                                    |
| <b>Storage</b>         | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| <b>Tag</b>             | C-Mouse Fc and 6×His Tag                                                                                                                                                                                                                            |
| <b>Note</b>            | For research use only                                                                                                                                                                                                                               |
| <b>Purity</b>          | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.                                                                                                                                                |
| <b>Source</b>          | Mammalian                                                                                                                                                                                                                                           |
| <b>MW</b>              | The protein has a predicted molecular mass of 52.4 kDa after removal of the signal peptide.                                                                                                                                                         |
| <b>Uniprot ID</b>      | <b>P42081</b>                                                                                                                                                                                                                                       |
| <b>Expiration Date</b> | 6 months from date of receipt.                                                                                                                                                                                                                      |

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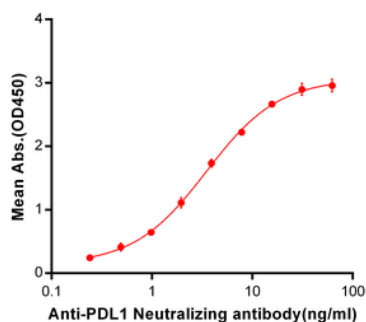
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Human PD-L1 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

**Human PDL1, mFc-His Tagged protein ELISA**

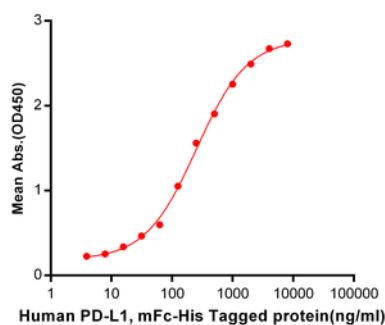
0.2 µg of Human PDL1, mFc-His Tagged protein per well



ELISA plate pre-coated by 2 µg/ml (100 µL/well) Human PD-L1, mFc-His tagged protein orb689384 can bind Anti-PDL1 Neutralizing antibody orb689314 in a linear range of 0.24-7.81 ng/ml.

**Human PD-L1, mFc-His Tagged protein ELISA**

0.2 µg of PD1, hFc-His Tagged protein per well



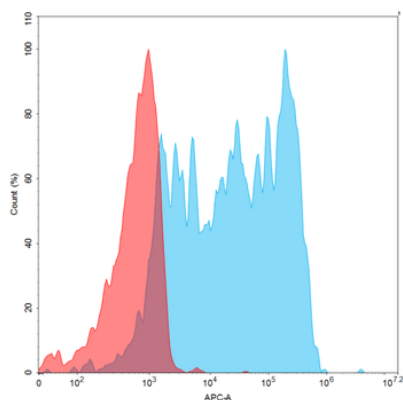
ELISA plate pre-coated by 2 µg/ml (100 µL/well) Human PD1, hFc-His tagged protein orb689448 can bind Human PDL1, mFc-His tagged protein (orb689384) in a linear range of 62.5-251.1 ng/ml.

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Flow cytometry analysis with 15 µg/mL Human PD-L1 Protein, mFc-His tag (orb689384) on Expi293 cells transfected with human PD1 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

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