

## Recombinant Mouse Cd274 Protein, Fc/His-tagged, FITC conjugated

**Cat. No.** Cd274-593MF    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Cd274 Protein extracellular domain (NP_068693.1, 1-238aa), was expressed in Human Cell with C-terminal His-tagged human IgG1 Fc tag and FITC conjugate.                                                                                                                                                                                               |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 1-238 aa                                                                                                                                                                                                                                                                                                                                                                |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | The recombinant mouse PD-L1/Fc is a disulfide-linked homodimeric protein after proteolytic removal of the signal peptide. The reduced monomer consists of 468 amino acids and predicts a molecular mass of 52.8 kDa. As a result of glycosylation, the apparent molecular mass of rm PD-L1/Fc monomer is approximately 65-75 kDa in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                                                                                                                                            |
| <b>Characteristic</b>   | Disulfide-linked homodimer<br>Labeled with FITC via amines<br>Excitation source: 488 nm spectral line, argon-ion laser<br>Excitation Wavelength: 488 nm                                                                                                                                                                                                                 |

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|                       |                                                                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | Emission Wavelength: 535 nm                                                                                                                                               |
| <b>Stability</b>      | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                            |
| <b>Storage</b>        | Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.       |
| <b>Storage Buffer</b> | Lyophilized from sterile PBS, pH 7.4                                                                                                                                      |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| <b>Conjugation</b>    | FITC                                                                                                                                                                      |

## GENE INFORMATION

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Gene Name</b>       | Cd274 CD274 antigen [ Mus musculus ] |
| <b>Official Symbol</b> | Cd274                                |
| <b>Gene ID</b>         | 60533                                |
| <b>mRNA Refseq</b>     | NM_021893                            |
| <b>Protein Refseq</b>  | NP_068693                            |

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