

# Recombinant Cynomolgus CD274 Protein, His-tagged, FITC conjugated

**Cat. No.** CD274-131CF    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                                                           |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Recombinant Cynomolgus CD274 Protein (F6VEW6, 1-239aa), was expressed in Human Cells with C-terminal his tag and FITC conjugate.                                                          |
| <b>Species</b>                      | Monkey                                                                                                                                                                                    |
| <b>Source</b>                       | HEK293                                                                                                                                                                                    |
| <b>ProteinLength</b>                | 1-239 aa                                                                                                                                                                                  |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                               |
| <b>Molecular Mass</b>               | The recombinant cynomolgus/rhesus CD274 comprises 232 amino acids and has a calculated molecular mass of 26.7 kDa. The apparent molecular mass of it is approximately 37 kDa in SDS-PAGE. |
| <b>N-terminal Sequence Analysis</b> | Phe 19                                                                                                                                                                                    |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                              |
| <b>Purity</b>                       | > 95 % as determined by SDS-PAGE                                                                                                                                                          |
| <b>Characteristic</b>               | Disulfide-linked homodimer<br>Labeled with FITC via amines                                                                                                                                |

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|                       |                                                                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | <p>Excitation source: 488 nm spectral line, argon-ion laser</p> <p>Excitation Wavelength: 488 nm</p> <p>Emission Wavelength: 535 nm</p>                                   |
| <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. Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization.                                               |
| <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 centigrade D274 molecule [Macaca fascicularis(crab-eating macaque) ] |
| <b>Official Symbol</b> | CD274                                                                      |
| <b>Gene ID</b>         | 102145573                                                                  |
| <b>mRNA Refseq</b>     | XM_005581780                                                               |
| <b>Protein Refseq</b>  | XP_005581837                                                               |

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