

# Recombinant Monkey PDCD1 Protein, Fc-tagged, Alexa Fluor 488 conjugated

**Cat. No.** PDCD1-1221RAF488    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                    |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Alexa Fluor 488 conjugated recombinant rhesus PD1 (NP_001107830.1) (Met1-Gln167) was expressed with the Fc region of human IgG1 at the C-terminus. |
| <b>Species</b>                      | Monkey                                                                                                                                             |
| <b>Source</b>                       | HEK293                                                                                                                                             |
| <b>ProteinLength</b>                | 381                                                                                                                                                |
| <b>Form</b>                         | Lyophilized                                                                                                                                        |
| <b>Molecular Mass</b>               | 42.7 kDa                                                                                                                                           |
| <b>N-terminal Sequence Analysis</b> | Leu 25                                                                                                                                             |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                       |
| <b>Purity</b>                       | > 85 % as determined by SDS-PAGE                                                                                                                   |
| <b>Characteristic</b>               | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 488 via amines<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm          |

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|                       |                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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, 5%-8% trehalose and mannitol.                                                                                                                     |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| <b>Conjugation</b>    | Alexa Fluor 488                                                                                                                                                                         |

## GENE INFORMATION

|                        |                                                         |
|------------------------|---------------------------------------------------------|
| <b>Gene Name</b>       | PDCD1 programmed cell death 1 [ <i>Macaca mulatta</i> ] |
| <b>Official Symbol</b> | PDCD1                                                   |
| <b>Synonyms</b>        | PD1; programmed cell death protein 1                    |
| <b>Gene ID</b>         | 100135775                                               |
| <b>mRNA Refseq</b>     | NM_001114358                                            |
| <b>Protein Refseq</b>  | NP_001107830                                            |

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