

# Recombinant Rat Cd48 Protein, His-tagged, Alexa Fluor 488 conjugated

**Cat. No.** Cd48-8763RAF488    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Alexa Fluor 488 conjugated recombinant Rat Cd48 (P10252) (Met1-Arg216), fused with a polyhistidine tag at the C-terminus, was produced in Human Cell.                                                                                       |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                         |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 205                                                                                                                                                                                                                                         |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | The recombinant rat CD48 comprises 205 amino acids and predicts a molecular mass of 23.9 kDa. The apparent molecular mass of the recombinant protein is approximately 38-43 kDa in SDS-PAGE under reducing conditions due to glycosylation. |
| <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 Alexa Fluor 488 via amines<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm                                                                                                   |
| <b>Stability</b>        | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                                                                                              |

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|                       |                                                                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 a 0.2 µm filtered solution of 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>    | Alexa Fluor 488                                                                                                                                                           |

## GENE INFORMATION

|                        |                                                          |
|------------------------|----------------------------------------------------------|
| <b>Gene Name</b>       | Cd48 Cd48 molecule [ <a href="#">Rattus norvegicus</a> ] |
| <b>Official Symbol</b> | <a href="#">Cd48</a>                                     |
| <b>Gene ID</b>         | <a href="#">245962</a>                                   |
| <b>mRNA Refseq</b>     | <a href="#">NM_139103</a>                                |
| <b>Protein Refseq</b>  | <a href="#">NP_620803</a>                                |

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