

# Recombinant Mouse CD28 Protein, Fc/His-tagged, Alexa Fluor 488 conjugated

**Cat. No.** CD28-640MAF488    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Alexa Fluor 488 conjugated recombinant Mouse CD28 precursor extracellular domain (Met 1-Lys 149) (NP_031668.3), fused with the polyhistidine-tagged Fc region of human IgG1 at the C-terminus, was produced in Human Cell.                                                                                                                 |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 378                                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | The recombinant mouse CD28/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 378 amino acids and has a predicted molecular mass of 43 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm CD28/Fc monomer is approximately 55-60 kDa 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                                                                                                                                                                                                  |

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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                                                                                                                                      |
| <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                                                                                                                                                           |
| <b>GENE INFORMATION</b> |                                                                                                                                                                           |
| <b>Gene Name</b>        | Cd28 CD28 antigen [ Mus musculus ]                                                                                                                                        |
| <b>Official Symbol</b>  | CD28                                                                                                                                                                      |
| <b>Gene ID</b>          | 12487                                                                                                                                                                     |
| <b>mRNA Refseq</b>      | NM_007642                                                                                                                                                                 |
| <b>Protein Refseq</b>   | NP_031668                                                                                                                                                                 |

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