

# Recombinant Mouse Cd70 Protein, Fc-tagged, FITC conjugated

**Cat. No.** Cd70-972MF    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                                                        |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | FITC conjugated recombinant mouse Cd70 (NP_035747.1) (Gln47-Pro159) was expressed with the Fc region of mouse IgG1 at the N-terminus.                                                  |
| <b>Species</b>                      | Mouse                                                                                                                                                                                  |
| <b>Source</b>                       | HEK293                                                                                                                                                                                 |
| <b>ProteinLength</b>                | 385                                                                                                                                                                                    |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                            |
| <b>Molecular Mass</b>               | 43.1 kDa                                                                                                                                                                               |
| <b>N-terminal Sequence Analysis</b> | Asp                                                                                                                                                                                    |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                           |
| <b>Purity</b>                       | > (12.5+86.3) % as determined by SDS-PAGE                                                                                                                                              |
| <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<br>Emission Wavelength: 535 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>    | FITC                                                                                                                                                                                    |

## GENE INFORMATION

|                        |                                                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Cd70 CD70 antigen [ <i>Mus musculus</i> ]                                                                                                                                               |
| <b>Official Symbol</b> | Cd70                                                                                                                                                                                    |
| <b>Synonyms</b>        | CD70; CD70 antigen; CD27-L; CD27 ligand; Ki-24 antigen; tumor necrosis factor ligand superfamily member 7; tumor necrosis factor (ligand) superfamily, member 7; Cd27l; CD27LG; Tnfsf7; |
| <b>Gene ID</b>         | 21948                                                                                                                                                                                   |
| <b>mRNA Refseq</b>     | NM_011617                                                                                                                                                                               |
| <b>Protein Refseq</b>  | NP_035747                                                                                                                                                                               |

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