

## Active Recombinant Mouse CD274 Protein, MlgG2a mFc-tagged, FITC conjugated

**Cat. No.** CD274-188MF    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse CD274 [B7-H1] Protein extracellular domain (NP_068693.1, 19-237aa), was expressed in CHO cell with N-terminal mouse IgG2a Fc tag and FITC conjugate. |
| <b>Species</b>          | Mouse                                                                                                                                                                  |
| <b>Source</b>           | CHO                                                                                                                                                                    |
| <b>ProteinLength</b>    | 19-237 aa                                                                                                                                                              |
| <b>Form</b>             | Lyophilized                                                                                                                                                            |
| <b>Bio-activity</b>     | Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated mouse T cells.                                                                         |
| <b>Molecular Mass</b>   | 53 kDa                                                                                                                                                                 |
| <b>AA Sequence</b>      | Phe19-Arg237                                                                                                                                                           |
| <b>Endotoxin</b>        | < 0.06 EU/ µg as determined by LAL test.                                                                                                                               |
| <b>Purity</b>           | ≥98 % by SDS-PAGE under reducing conditions.                                                                                                                           |
| <b>Characteristic</b>   | Disulfide-linked homodimer                                                                                                                                             |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                                                                                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | <p>Labeled with FITC via amines</p> <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>      | Stable for at least 1 year after receipt when stored at -20 centigrade. Working aliquots are stable for up to 3 months when stored at -20 centigrade.                       |
| <b>Concentration</b>  | 100 µg/mL                                                                                                                                                                   |
| <b>Storage Buffer</b> | Lyophilized from 0.2 µm filtered solution in PBS.                                                                                                                           |
| <b>Reconstitution</b> | Reconstitute at 100 µg/mL in sterile PBS.                                                                                                                                   |
| <b>Conjugation</b>    | FITC                                                                                                                                                                        |

## GENE INFORMATION

|                        |                                                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">Cd274 CD274 antigen [ Mus musculus ]</a>                                                                                                           |
| <b>Official Symbol</b> | <a href="#">CD274</a>                                                                                                                                          |
| <b>Synonyms</b>        | CD274; CD274 antigen; programmed cell death 1 ligand 1; B7 homolog 1; PDCD1 ligand 1; programmed death ligand 1; B7h1; Pdl1; Pdcd1l1; Pdcd1lg1; A530045L16Rik; |
| <b>Gene ID</b>         | <a href="#">60533</a>                                                                                                                                          |
| <b>mRNA Refseq</b>     | <a href="#">NM_021893</a>                                                                                                                                      |
| <b>Protein Refseq</b>  | <a href="#">NP_068693</a>                                                                                                                                      |

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