

# Recombinant Canine CD274 Protein, Fc-tagged, Alexa Fluor 555 conjugated

**Cat. No.** CD274-1058CAF555    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                                                                                                                       |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Recombinant Canine CD274 Protein (XP_541302.4, 1-236aa), was expressed in HEK293 with C-terminal human IgG1 Fc tag and Alexa Fluor 555 conjugate.                                                                                                     |
| <b>Species</b>                      | Dog                                                                                                                                                                                                                                                   |
| <b>Source</b>                       | HEK293                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>                | 1-236 aa                                                                                                                                                                                                                                              |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>               | 51.5 kDa                                                                                                                                                                                                                                              |
| <b>N-terminal Sequence Analysis</b> | Phe 19                                                                                                                                                                                                                                                |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                          |
| <b>Purity</b>                       | > (17.0+77.6) % as determined by SDS-PAGE                                                                                                                                                                                                             |
| <b>Characteristic</b>               | <p>Disulfide-linked homodimer</p> <p>Labeled with Alexa Fluor 555 via amines</p> <p>With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard</p> |

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|                       |                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | TRITC/Cy3 filters.                                                                                                                                                                      |
| <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 555                                                                                                                                                                         |

## GENE INFORMATION

|                        |                                                        |
|------------------------|--------------------------------------------------------|
| <b>Gene Name</b>       | CD274 CD274 molecule [ <i>Canis lupus familiaris</i> ] |
| <b>Official Symbol</b> | CD274                                                  |
| <b>Synonyms</b>        | PDL1; PD-L1; programmed death ligand 1                 |
| <b>Gene ID</b>         | 484186                                                 |
| <b>mRNA Refseq</b>     | NM_001291972                                           |
| <b>Protein Refseq</b>  | NP_001278901                                           |

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