

# 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>	Disulfide-linked homodimer Labeled with Alexa Fluor 555 via amines 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

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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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