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

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

SPECIFICATION

Product Overview	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.
Species	Dog
Source	HEK293
ProteinLength	1-236 aa
Form	Lyophilized
Molecular Mass	51.5 kDa
N-terminal Sequence Analysis	Phe 19
Endotoxin	< 1.0 EU/ μg of the protein as determined by the LAL method.
Purity	> (17.0+77.6) % as determined by SDS-PAGE
Characteristic	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.
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	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.
Storage Buffer	Lyophilized from sterile PBS, pH 7.4, 5%-8% trehalose and mannitol.
Reconstitution	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.
Conjugation	Alexa Fluor 555

GENE INFORMATION

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

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