

Recombinant Canine IL1R2 Protein, hFc-tagged

Cat. No. IL1R2-170C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Canine IL1R2 Protein(E2RKW1) (Met1-Glu343) was expressed in HEK293 with the Fc region of human IgG1 at the C-terminus.
Species	Canine
Source	HEK293
ProteinLength	1-343 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Canine IL1R2-Fc3 at 10 µg/ml (100 µl/well) can bind biotinylated human IL1B-His, The EC50 of biotinylated human IL1B-His is 0.08-0.2 µg/ml.
Molecular Mass	The recombinant canine IL1R2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 571 amino acids and has a predicted molecular mass of 64.8 kDa. The apparent molecular mass of the protein is approximately 65-70 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per ug of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE

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Storage

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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