RP02714

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Recombinant Canine CD28 Protein

Catalog No.: RP02714 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	403646	Q9GKP3

Tags
C-mFc

Synonyms
CD28 antigen (Tp44); CD28 molecule; CD28; MGC138290

Product Information

Source
HEK293 cells

Purification
> 95% as determined by Tris-Bis PAGE ; > 95% as determined by HPLC

Endotoxin
Less than 1EU per μg by the LAL method.

Formulation

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

CD28 is the receptor for CD80 (B7-1) and CD86 (B7-2) proteins.When activated by Toll-like receptor ligands, the CD80 expression is upregulated in antigen presenting cells (APCs). The CD86 expression on antigen presenting cells is constitutive. CD28 is the only B7 receptor constitutively expressed on naive T cells.

Basic Information

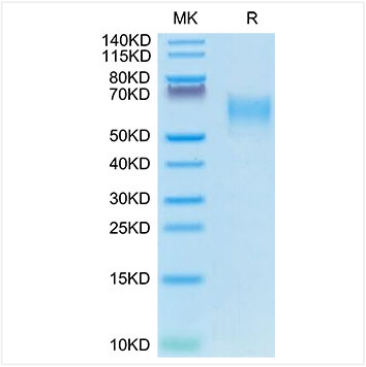
Description
Recombinant Canine CD28 Protein is expressed from Expi293 with mFc tag at the C-terminal. ; It contains Thr18-Pro153.

Bio-Activity

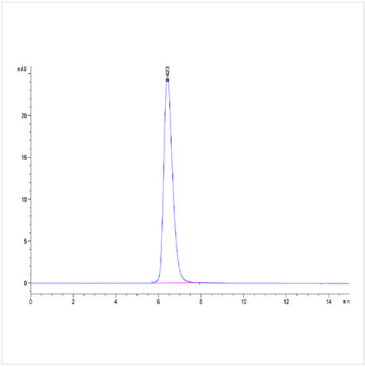
Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

* For your safety and health, please wear a lab coat and disposable gloves when handling.

Validation Data



Canine CD28 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Canine CD28 is greater than 95% as determined by SEC-HPLC.