Recombinant Canine CD28 Protein

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Catalog No.: RP02714 Recombinant

Sequence Information

Species Gene ID Swiss Prot Canine 403646 09GKP3

Tags

C-mFc

Synonyms

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

Product Information

Source

Purification

HEK293 cells ≥ 95 % as determined by Tris-

determined by Tris-Bis PAGE;≥ 95 % as determined by

HPLC.

Calculated MW Observed MW

41.6 kDa 50-70 kDa

Endotoxin

< 1 EU/µg of the protein by 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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|----------|---------------------------|
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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

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

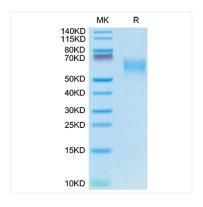
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

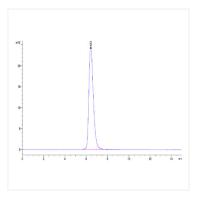
Operational Notes

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

Validation Data



Recombinant Canine CD28 Protein was determined by Tris-Bis PAGE under reducing conditions.



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