

IL-1 beta/IL-1F2 Active Protein | IL-1beta/IL-1F2 active protein

Recombinant canine IL-1 beta/IL-1F2 protein

CATALOG # AAA48366	HOST E Coli	APPLICATIONS SDS-Page
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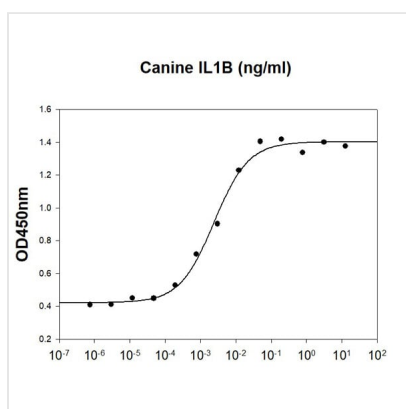
PRODUCT SYNONYMS

IL-1 beta/IL-1F2; Recombinant canine IL-1 beta/IL-1F2 protein; Interleukin 1b; Interleukin 1beta; IL-1; IL1F2; IL1-beta; Interleukin 1; beta proprotein; IL1B; interleukin 1 beta; IL-1B; IL-1beta/IL-1F2 active protein

PRODUCT SPECIFICATIONS

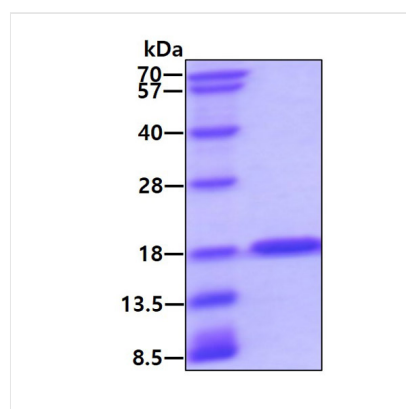
Host	E Coli
Purity/Purification	>95% by SDS-PAGE
Form/Format	Liquid. In Phosphate-Buffered Saline (pH7.4)
Concentration	1mg/ml (determined by absorbance at 280nm) (varies by lot)
Sequence Positions	114-265aa
Sequence	MAAMQSVDCCK LQDISHKYL V LNSYELRAL HLNGENVNKQ VVFHMSFVHG DESNNKIPVW LGIKQKNLYL SCVMKDGKPT LQLEKVDPKV YPKRKMEKRF VFNKIEIKNT VEFESSQYPN WYISTSQVEG MPVFLGNTRG GQDITDFTME FSS
Applicable Applications for IL-1beta/IL-1F2 active protein	Bioactivity, SDS-PAGE
Endotoxin	<1 EU per 1ug of protein (determined by LAL method)
Species	Canine
Tag	Non-Tagged
Bioactivity	Measured in a cell proliferation assay using D10.G4.1 mouse helper T cells. The ED50 range <= 5pg/ml.
Preparation and Storage	Can be stored at +2C to +8 degree C for 1 week. For long term storage, aliquot and store at -20C to -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



Bioactivity

Canine IL-1B stimulates cell proliferation of the D10.G4.1 mouse helper T cells. The ED50 range range



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for IL-1beta/IL-1F2 active protein	Interleukin-1 (IL-1) has been considered a potentially important inflammatory mediator. It is composed of two distinct proteins, called as IL-1alpha and IL-1beta. IL-1beta is a proinflammatory cytokine produced in a variety of cells including monocytes, tissue macrophages, keratinocytes and other epithelial cells. Both IL-1alpha and IL-1beta bind to the same receptor and they are structurally related polypeptides that share approximately 20% amino acid. Recombinant canine IL-1beta was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for IL-1beta/IL-1F2 active protein	Hormones & Cytokines; Proteins
References	Allan SM., et al. (2005), Nat. Rev. Immunol. 5:629; Curr Pharm Des. (2017), 23(32):4893-4905.

NCBI AND UNIPROT INFORMATION

NCBI GI #	83921562
NCBI GeneID	403974
NCBI Accession #	NP_001033060.1
NCBI GenBank Nucleotide #	NM_001037971.1
UniProt Accession #	Q2VCE2; F1PTU3; Q28292
Molecular Weight	30,143 Da
NCBI Official Full Name	interleukin-1 beta
NCBI Official Symbol	IL1B
NCBI Official Synonym Symbols	IL-1
NCBI Protein Information	interleukin-1 beta
UniProt Protein Name	Interleukin-1 beta
UniProt Gene Name	IL1B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.