

IL-25/IL-17E Protein, Canine (HEK293, Fc)

Cat. No.:	HY-P75858
Synonyms:	Interleukin-25; IL-25; Interleukin-17E; IL-17E
Species:	Canine
Source:	HEK293
Accession:	A0A8I3MRV2/XP_005623293 (L17-A169)
Gene ID:	480252
Molecular Weight:	Approximately 50-55 kDa due to the glycosylation

PROPERTIES

AA Sequence	<p> L N F R I R K D C T H W P N C C P S K R Q D P T H E W L K R D T V L K F P G E T T S L T H H P E S C K A S E D G P L N S R S I S P W K Y E L D R D L N R L P Q D L Y H A R C L C Q H C V S L Q T G S H M D P L G N S E L L Y H N Q T V F Y R R P C P G E Q G A P D G Y C L E Q R L Y R V S L A C V C V R P R V M A </p>
Biological Activity	Measured by its ability to induce CXCL1 secretion in HT29 human colon adenocarcinoma cells. The ED ₅₀ for this effect is 1.361 ng/mL, corresponding to a specific activity is 7.348×10 ⁵ U/mg.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Interleukin 25, also known as IL-17E, is a unique cytokine of the IL-17 family. Interleukin 25 exclusively was shown to strongly induce expression of the cytokines associated with type 2 immunity. Interleukin 25 is a “barrier surface” cytokine whose expression depends on extrinsic environmental factors and when up-regulated may lead to inflammatory disorders such as atopic dermatitis, psoriasis or asthma. Interleukin 25 is expressed in activated Th2 T cells and induces a very
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different type of inflammatory response in vivo. Interleukin 25 enables cytokine activity. Interleukin 25 is located in extracellular region^{[1][2][3]}.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA