

Product datasheet

Recombinant dog IL-4 protein ab203711

Description

Product name	Recombinant dog IL-4 protein
Biological activity	The biological activity of ab203711 was measured in a cell proliferation assay using the Human TF-1 cell line. The ED ₅₀ for this effect is typically 1.5 - 2 ng/mL.
Purity	> 95 % SDS-PAGE. ab203711 was purified by ion-exchange chromatography.
Expression system	Yeast
Accession	O77762
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Dog
Sequence	<p>HNFNITKEIKMLNILTARNDSMELTVKDVFTAPKNTS DKEIFCRAAT VLRQIYTHNCSNRYLRGLYRNLSSMANKTCSMNEIKKS TLKDFLERLKVIMQKKYYRH</p>
Predicted molecular weight	13 kDa
Amino acids	25 to 132
Additional sequence information	This product is for the mature full length protein. The signal peptide is not included.

Specifications

Our [Abpromise guarantee](#) covers the use of **ab203711** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	<ul style="list-style-type: none"> Other Western blot ELISA Functional Studies
Form	Lyophilised

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle. Constituents: 10% Trehalose, 90% PBS This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Reconstitute with sterile PBS containing at least 0.1% carrier protein.
General Info	
Function	Participates in at least several B-cell activation processes as well as of other cell types. It is a costimulator of DNA-synthesis. It induces the expression of class II MHC molecules on resting B-cells. It enhances both secretion and cell surface expression of IgE and IgG1. It also regulates the expression of the low affinity Fc receptor for IgE (CD23) on both lymphocytes and monocytes.
Involvement in disease	Genetic variations in IL4 may be a cause of susceptibility to ischemic stroke (ISCHSTR) [MIM:601367]; also known as cerebrovascular accident or cerebral infarction. A stroke is an acute neurologic event leading to death of neural tissue of the brain and resulting in loss of motor, sensory and/or cognitive function. Ischemic strokes, resulting from vascular occlusion, is considered to be a highly complex disease consisting of a group of heterogeneous disorders with multiple genetic and environmental risk factors.
Sequence similarities	Belongs to the IL-4/IL-13 family.
Cellular localization	Secreted.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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