

**RMCM041**

Recombinant IL-16 (Interleukin-16), Mouse , AF

 5ug;20ug;100ug;500ug;

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**Synonym/Alternative name(s):**

LCF (Lymphocyte Chemoattractant Factor), mKIAA4048

**Activity :** N/A**Protein Description:**

Interleukin 16 (IL-16) is a cytokine that is released by a variety of cells (including lymphocytes and some epithelial cells) that has been characterized as a chemoattractant for certain immune cells expressing the cell surface molecule CD4. The protein encoded by this gene is a pleiotropic cytokine that functions as a chemoattractant, a modulator of T cell activation, and an inhibitor of HIV replication. The signaling process of this cytokine is mediated by CD4. The product of this gene undergoes proteolytic processing, which is found to yield two functional proteins.

**Protein Accession :** AAC04383.1**Gene ID :** 16170**Expression Sequence:**

MHDLNSSTDSAASASAASDISVESKEATVCTVTLEKTSAGLGFSLGEGKGSLSLHGDKPLTINRIFKGDRTGEMVQPGDEILQLAGTAVQGLTRFEAWNVIKALPDGPVTIVIRRTSLQCKQTASADS with polyhistidine tag at the C-terminus.

**Fusion tag :** His-tag?at?the?C-terminus**Species :** Mouse**Reactivity :** Mouse**Expression Host :** Escherichia coli**Source :** E. coli**Purity/method:**

&gt;95% as determined by SDS-PAGE.

Ni-NTA chromatography.

**Endotoxin level:**

&lt;0.1 EU per 1 µg of the protein by the LAL method.

**Calculated Molecular Weight :** 14.04 kDa**Formulation:**

The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

**Reconstitution:**

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

**Shipping :** Blue Ice**Stability and Storage:**

Lyophilized protein should be stored at -20°C for 1 year.

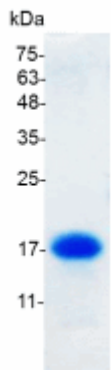
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

**Category :** Cytokines

**Application :** Cell culture, Elisa

**Image:**



SDS- PAGE analysis of recombinant mouse IL-16