

**RMCS022**

Recombinant CXCL10 (C-X-C motif chemokine 10), Swine  
, AF



5ug;20ug;

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**Activity:**

Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2.

The ED50 for this effect is <4 ng/mL.

**Protein Description:**

CXCL10 ,belongs to the CXC chemokine family, is also known as IP-10. CXCL10 was originally identified as a responder to IFN-gamma in monocytes, endothelial cells and fibroblasts. The effects of this chemokine can be induced by binding to the cell surface chemokine receptor CXCR3. Research shows that CXCL10 is a chemoattractant for activated T-lymphocytes, monocytes and macrophages. It also has other functions, such as promotion of T cell adhesion to endothelial cell.

**Protein Accession :** A0A4X1SZ52

**Gene ID :** 494019

**Expression Sequence:**

PLSRTVRCCTCIKISDRPVNPRSLEKLEMIPASQSCPHVEIIATMKKNGEKRCLNPESKTIKLLKAISKERSKRSPRTQREA with polyhistidine tag at the N-terminus.

**Fusion tag :** His-tag?at?the?N-terminus

**Species :** Swine

**Reactivity :** Pig

**Expression Host :** Escherichia coli

**Source :** E. coli

**Purity/method:**

>98% as determined by SDS-PAGE. Ni-NTA chromatography

**Endotoxin level:**

<0.1 EU per 1 µg of the protein by the LAL method.

**Calculated Molecular Weight :** 10.13 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 H2O 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 swine CXCL10