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Anti-CXCL10 / IP-10 Reference Antibody (eldelumab)

Recombinant Antibody
Catalog # APR10271

Specification

Anti-CXCL10 / IP-10 Reference Antibody (eldelumab) - Product Information

Application	**FC, E, FTA**
Primary Accession	P02778
Reactivity	**Human**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**146.64 KDa**

Anti-CXCL10 / IP-10 Reference Antibody (eldelumab) - Additional Information

Target/Specificity
CXCL10 / IP-10

Endotoxin
< 0.001EU/ μg,determined by LAL method.

Conjugation
Unconjugated

Expression system
CHO Cell

Format
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Anti-CXCL10 / IP-10 Reference Antibody (eldelumab) - Protein Information

Name CXCL10

Synonyms INP10, SCYB10

Function
Pro-inflammatory cytokine that is involved in a wide variety of processes such as chemotaxis, differentiation, and activation of peripheral immune cells, regulation of cell growth, apoptosis and modulation of angiostatic effects (PubMed:11157474, PubMed:22652417, PubMed:7540647). Plays thereby an important role during viral infections by stimulating the activation and migration of immune cells to the infected sites (By similarity). Mechanistically, binding of CXCL10 to the CXCR3 receptor activates G protein-mediated signaling and results in downstream activation of phospholipase C-dependent pathway, an increase in intracellular calcium production and actin reorganization (PubMed:<a

href="http://www.uniprot.org/citations/12750173" target="_blank">12750173, PubMed:19151743). In turn, recruitment of activated Th1 lymphocytes occurs at sites of inflammation (PubMed:12663757, PubMed:12750173). Activation of the CXCL10/CXCR3 axis also plays an important role in neurons in response to brain injury for activating microglia, the resident macrophage population of the central nervous system, and directing them to the lesion site. This recruitment is an essential element for neuronal reorganization (By similarity).

Cellular Location
Secreted.

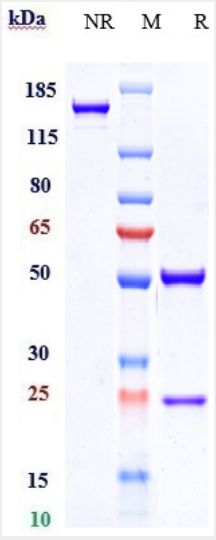
Tissue Location
Mainly secreted by monocytes, endothelial cells as well as fibroblasts. Expressed by epithelial cells in thymus (PubMed:11157474). Microglial cells produce CXCL10 in response to viral stimulation (PubMed:12663757).

Anti-CXCL10 / IP-10 Reference Antibody (eldelumab) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CXCL10 / IP-10 Reference Antibody (eldelumab) - Images



Anti-CXCL10 / IP-10 Reference Antibody (eldelumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%

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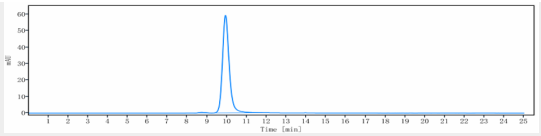

The purity of Anti-CXCL10 / IP-10 Reference Antibody (eldelumab)is more than 99.28% ,determined by SEC-HPLC.