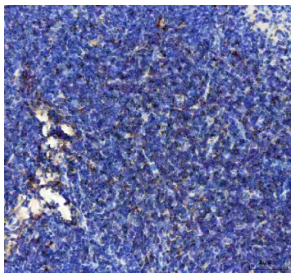
IP10 Antibody / CXCL10 (R31987)

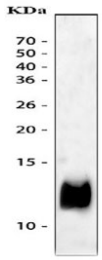
Catalog No.	Formulation	Size
R31987	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

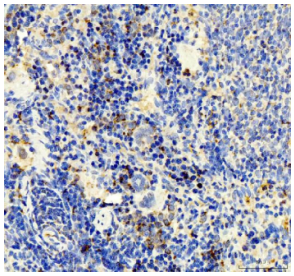
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P17515
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml ELISA: 0.1-0.5ug/ml (mouse protein tested); request BSA-free format for coating
Limitations	This IP10 antibody is available for research use only.



IHC staining of FFPE mouse spleen tissue with IP10 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 10ng of recombinant mouse protein with IP10 antibody. Expected molecular weight ~11 kDa.



IHC staining of FFPE rat spleen tissue with IP10 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

C-X-C motif chemokine 10 (CXCL10), also known as Interferon gamma-induced protein 10kDa (IP-10) or small-inducible cytokine B10, is a protein that in humans is encoded by the CXCL10 gene. It is a small cytokine belonging to the CXC chemokine family. The gene for CXCL10 is located on human chromosome 4 in a cluster among several other CXC chemokines. Luster et al. (1987) reported the isolation of an interferon-inducible gene that encodes a 98-amino acid protein called IP10. The chemokine IFN-gamma-inducible protein 10 (IP-10; CXCL10), a CXC chemokine, and its receptor, CXCR3, were found to be overexpressed in lymph node cells of EAMG rats. IP10 inhibits bone marrow colony formation, has antitumor activity in vivo, is a chemoattractant for human monocytes and T cells, and promotes T cell adhesion to endothelial cells.

Application Notes

Optimal dilution of the IP10 antibody should be determined by the researcher.

Immunogen

Amino acids 22-98 of mouse IP10 were used as the immunogen for the IP10 antibody.

Storage

After reconstitution, the IP10 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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