Datasheet for ABIN2191895

anti-CXCL10 antibody

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Overview

Quantity:	100 µg
Target:	CXCL10
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CXCL10 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunoassay (IA)

Product Details

Clone:	6D4
Sterility:	0.2 µm filtered

Target Details

Target:	CXCL10
Alternative Name:	C-X-C Motif Chemokine 10 (CXCL10 Products)
Background:	The monoclonal antibody 6D4 recognizes human C-X-C motif chemokine 10 (IP-10), a protein of 98 amino acids. IP-10, also known as CXCL10, functions as ligand for the CXCR3 receptor. IP-10 belongs to the α-chemokine (C-X-C) family, which can be divided in two subfamilies: (1) potent chemoattractants for neutrophils, like IL-8 and (2) potent chemoattractants for lymphocytes, like the IFNγ inducible protein (IP)-10. IP-10 is produced by a wide variety of cell

Target Details

types ranging from neutrophils, dendritic cells and monocytes to hepatocytes, endothelial cells and keratinocytes. The cytokine is reported to be involved in a scala of inflammatory pathologies such as HIV, encephalitis, cutaneous T cell lymphoma, chronic hepatitis, psoriasis and acute anterior uveitis. Various observations strongly suggest a role for the C-X-C chemokines IL-8 and IP-10 in the regulation of angiogenic activity in cancer and in idiopathic pulmonary fibrosis. Furthermore IP-10 is associated with acute rejection processes estimated by the predictive properties of urinary IP-10 expression for the short- and long-term graft function after kidney transplantation. Aliases 10 kDa interferon gamma-induced protein, CXCL10, Small-inducible cytokine B10 Immunogen Recombinant human IP-10

Application Details

Application Notes:	For immunohistochemistry, flow cytometry and Western blotting, dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50. Positive Acitvated plasmacytoid dendritic cells control Negative Normal liver control 1
Restrictions:	For Research Use only

Handling

Buffer:	PBS, containing 0.1 % bovine serum albumin and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Product should be stored at 4 °C. Under recommended storage conditions, product is stable for at least one year. The exact expiry date is indicated on the label.

Publications

Product cited in:	Vetrano, Rescigno, Cera, Correale, Rumio, Doni, Fantini, Sturm, Borroni, Repici, Locati, Malesci, Dejana, Danese: "Unique role of junctional adhesion molecule-a in maintaining mucosal homeostasis in inflammatory bowel disease." in: **Gastroenterology**, Vol. 135, Issue 1, pp. 173-84, (2008) (PubMed). Luo, Zhuo, Fukuhara, Rizzolo: "Effects of culture conditions on heterogeneity and the apical

junctional complex of the ARPE-19 cell line." in: **Investigative ophthalmology & visual science**, Vol. 47, Issue 8, pp. 3644-55, (2006) (PubMed).

Faure, Cerini, Paul, Berland, Dignat-George, Brunet: "The uremic solute p-cresol decreases leukocyte transendothelial migration in vitro." in: **International immunology**, Vol. 18, Issue 10, pp. 1453-9, (2006) (PubMed).

Bazzoni, Martinez-Estrada, Orsenigo, Cordenonsi, Citi, Dejana: "Interaction of junctional adhesion molecule with the tight junction components ZO-1, cingulin, and occludin." in: **The Journal of biological chemistry**, Vol. 275, Issue 27, pp. 20520-6, (2000) (PubMed).

