



Anti-CXCL11 monoclonal antibody, clone 4D2 (CABT-19489MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description

Chemokines are a group of small (approximately 8 to 14 kD), mostly basic, structurally related molecules that regulate cell trafficking of various types of leukocytes through interactions with a subset of 7-transmembrane, G protein-coupled receptors. Chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis. Chemokines are divided into 2 major subfamilies, CXC and CC. This gene is a CXC member of the chemokine superfamily. Its encoded protein induces a chemotactic response in activated T-cells and is the dominant ligand for CXC receptor-3. The gene encoding this protein contains 4 exons and at least three polyadenylation signals which might reflect cell-specific regulation of expression. IFN-gamma is a potent inducer of transcription of this gene.

Mouse monoclonal antibody raised against a full-length recombinant CXCL11.

Immunogen	CXCL11 (AAH05292, 1 a.a. ~ 95 a.a) full-length recombinant protein with GST tag.
Isotype	IgM
Source/Host	Mouse
Species Reactivity	Human
Clone	4D2
Conjugate	Unconjugated
Applications	IP,ELISA
Sequence Similarities	MSVKGMAIALAVILCATVVQGFPFMFKRGRCLCIGPGVKAVKVADIEKASIMYPSNNCDKI EVIITLKENKGQRCLNPKSKQARLIKKVERKNF*

Size	200 µl
Buffer	In ascites fluid
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CXCL11 chemokine (C-X-C motif) ligand 11 [Homo sapiens]
Official Symbol	CXCL11
Synonyms	chemokine (C-X-C motif) ligand 11; Small-inducible cytokine B11; H174; IP9; I-TAC; MGC102770; IP-9; OTTHUMP00000219214; SCYB11; beta-R1; SCYB9B; C-X-C motif chemokine 11; b-R1; small inducible cytokine B11; small inducible cytokine subfamily B (Cys-X-Cys), member 11; small inducible cytokine subfamily B (Cys-X-Cys), member 9B; Interferon gamma-inducible protein 9; Interferon-inducible T-cell alpha chemoattractant; ITAC; OTTHUMP00000160594; OTTHUMP00000219213
Entrez Gene ID	6373
Protein Refseq	NP_005400
UniProt ID	O14625
Chromosome Location	4q21.2
Pathway	CXCR3-mediated signaling events, organism-specific biosystem; Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem
Function	chemokine activity