



# Anti-CXCL10 monoclonal antibody, clone 44047 (DCABY-3918)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	IP-10 was originally identified as an IFN-gamma-inducible gene in monocytes, fibroblasts and endothelial cells. The mouse homolog of human IP-10, CRG-2, shares approximately 67% amino acid sequence identity with human IP-10. The amino acid sequence of IP-10 identified the protein as a member of the CXC chemokine subfamily.
<b>Specificity</b>	Detects human CXCL10/IP-10/CRG-2 in ELISAs and Western blots. In Western blots, does not cross-react with recombinant human CXCL1, 2, 3, 5, 8, 9, 12/SDF-1 beta, recombinant mouse CXCL1, or 2.
<b>Immunogen</b>	E. coli-derived recombinant human CXCL10/IP-10/CRG-2. Val22-Pro98 Accession Number P02778.2
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	44047
<b>Purification</b>	Protein A or G purified from ascites
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot, ELISA Capture (Matched Pair), Intracellular Staining by Flow Cytometry, Neutralization
<b>Format</b>	Liquid
<b>Size</b>	500 µg

<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CXCL10 chemokine (C-X-C motif) ligand 10 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	CXCL10
<b>Synonyms</b>	CXCL10; chemokine (C-X-C motif) ligand 10; C7; IFI10; INP10; IP-10; crg-2; mob-1; SCYB10; gIP-10; C-X-C motif chemokine 10; gamma IP10; gamma-IP10; small-inducible cytokine B10; interferon-inducible cytokine IP-10; 10 kDa interferon gamma-induced protein;
<b>Entrez Gene ID</b>	<a href="#">3627</a>
<b>Protein Refseq</b>	<a href="#">NP_001556</a>
<b>UniProt ID</b>	<a href="#">A0A024RDA4</a>
<b>Chromosome Location</b>	4q21
<b>Pathway</b>	CXCR3-mediated signaling events; Chemokine receptors bind chemokines; Chemokine signaling pathway; Class A/1 (Rhodopsin-like receptors); Cytokine-cytokine receptor interaction; Cytosolic DNA-sensing pathway; G alpha (i) signalling events; GPCR downstream
<b>Function</b>	CXCR3 chemokine receptor binding; cAMP-dependent protein kinase regulator activity; chemokine activity; heparin binding; protein binding; receptor binding;