



# Anti-CXCL6 monoclonal antibody, clone 70020 (DCABY-4121)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	GCP-2 (granulocyte chemotactic protein-2) is a CXC chemokine. Among human CXC chemokines, GCP-2 is most closely related to ENA-78. The structure and sequence of the genes for human GCP-2 and ENA-78 also exhibit close similarity, suggesting the two genes may have originated from a recent gene duplication. LIX (LPS-induced CXC chemokine) was initially cloned as a gene induced by LPS in mouse fibroblasts. The mouse protein designated GCP-2, because of its amino acid sequence similarity (60%) to human GCP-2, is identical to the LIX protein sequence.
<b>Specificity</b>	Detects human CXCL6/GCP-2 in ELISAs and Western blots. In sandwichimmunoassays, less than 0.04% cross-reactivity with recombinant human (rh)NAP-2, rhGRO alpha, rhGRO beta, rhBLC, rhENA-78, recombinant mouse (rm)CXCL6, rmMIP-2, rhIL-8, rhIP-10, rhMIG, rhSDF-1 alpha, and rhSDF-1 beta is observed.
<b>Immunogen</b>	E. coli-derived recombinant human CXCL6/GCP-2. Val40-Asn114 Accession Number P80162
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	70020
<b>Purification</b>	Protein A or G purified from ascites
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot, ELISA Capture (Matched Pair), 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="#">CXCL6 chemokine (C-X-C motif) ligand 6 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	CXCL6
<b>Synonyms</b>	CXCL6; chemokine (C-X-C motif) ligand 6; GCP2; CKA-3; GCP-2; SCYB6; C-X-C motif chemokine 6; chemokine alpha 3; small-inducible cytokine B6; granulocyte chemotactic protein 2; Small inducible cytokine subfamily B (Cys-X-Cys), member b; chemokine (C-X-C mo
<b>Entrez Gene ID</b>	<a href="#">6372</a>
<b>Protein Refseq</b>	<a href="#">NP_002984</a>
<b>UniProt ID</b>	<a href="#">P80162</a>
<b>Chromosome Location</b>	4q13.3
<b>Pathway</b>	Chemokine receptors bind chemokines; Chemokine signaling pathway; Class A/1 (Rhodopsin-like receptors); Cytokine-cytokine receptor interaction; G alpha (i) signalling events; GPCR downstream signaling; GPCR ligand binding; Peptide ligand-binding receptors
<b>Function</b>	chemokine activity; heparin binding;