



# Anti-CXCL6 monoclonal antibody, clone 246904 (DCABY-4149)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	LPS-induced CXC chemokine (LIX) is a member of the murine chemokine family. It is 132 amino acids (aa) in length with a predicted molecular weight of 14 kDa prior to cleavage of the N-terminal signal peptide (aa 1–40). LIX has no true human ortholog but is closely related to human CXCL5/ENA-78 and CXCL6/GCP-2. It is widely expressed, and is secreted by multiple cell types including fibroblasts, thymic epithelium, platelets, vascular endothelium, and hepatocytes. LIX acts as a proinflammatory chemokine and is chemotactic for neutrophils.
<b>Specificity</b>	Detects rat LIX in direct ELISAs and Western blots. In direct ELISAs, approximately 50% cross-reactivity with recombinant mouse (rm)LIX is observed, 5% cross-reactivity with recombinant rat(rr)CXCL2 is observed, and no cross-reactivity with recombinant human rhCXCL1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, or 13, rmCXCL1, 2, 9, 10, 11, 12, 13, or 15, recombinant porcine (rp)CXCL8, or rrCXCL1 or 3 is observed.
<b>Immunogen</b>	E. coli-derived recombinant rat LIX. Ala38-Arg125, Ala38-Lys117 Accession Number P97885.1
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Rat
<b>Clone</b>	246904
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<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 [ Rattus norvegicus (Norway rat) ]</a>
<b>Official Symbol</b>	CXCL6
<b>Synonyms</b>	CXCL6; chemokine (C-X-C motif) ligand 6; Cxcl5; C-X-C motif chemokine 5; cytokine LIX; CXC chemokine LIX; small-inducible cytokine B5; chemokine (C-X-C motif) ligand 5; chemokine (C-X-C motif) ligand 6 (granulocyte chemotactic protein 2);
<b>Entrez Gene ID</b>	<a href="#">60665</a>
<b>Protein Refseq</b>	<a href="#">NP_071550</a>
<b>UniProt ID</b>	<a href="#">P97885</a>
<b>Chromosome Location</b>	14p22
<b>Pathway</b>	Chemokine signaling pathway; Pertussis; Rheumatoid arthritis;
<b>Function</b>	chemokine activity;