



Anti-CXCL5 polyclonal antibody [Biotin] (DPABY-371)

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

PRODUCT INFORMATION

Antigen Description	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.
Specificity	Detects mouse LIX in ELISAs and Western blots. In sandwich immunoassays, less than 0.05% cross-reactivity with recombinant human (rh)CXCL6/GCP-2, recombinant rat LIX, recombinant mouse (rm) CXCL13/BLC/BCA-1, rmCXCL11/I-TAC, rmCXCL9/MIG, rmCXCL4/PF4, and rmCXCL12/SDF-1 alpha is observed.
Immunogen	E. coli-derived recombinant mouse LIX. Val45-Ala118 Accession Number P50228
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, ELISA Detection (Matched Pair)
Format	Liquid
Size	50 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.

Preservative	None
Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <p>12 months from date of receipt, -20 to -70 °C as supplied.</p> <p>1 month, 2 to 8 °C under sterile conditions after reconstitution.</p> <p>6 months, -20 to -70 °C under sterile conditions after reconstitution.</p>

GENE INFORMATION

Gene Name	Cxcl5 chemokine (C-X-C motif) ligand 5 [Mus musculus (house mouse)]
Official Symbol	CXCL5
Synonyms	CXCL5; chemokine (C-X-C motif) ligand 5; LIX; GCP-2; Scyb5; Scyb6; ENA-78; AMCF-II; C-X-C motif chemokine 5; cytokine LIX; small-inducible cytokine B5; granulocyte chemotactic protein-2; small inducible cytokine B subfamily, member 5; small inducible cyto
Entrez Gene ID	20311
Protein Refseq	NP_033167
UniProt ID	P50228
Chromosome Location	5 E1; 5 44.78 cM
Pathway	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
Function	chemokine activity; cytokine activity;