



Anti-CXCL5 polyclonal antibody [Biotin] (DPABY-389)

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

PRODUCT INFORMATION

Antigen Description	CXCL5/Epithelial Cell-derived Neutrophil-activating Peptide (ENA-78), is a member of the CXC subfamily of chemokines. Full-length CXCL5/ENA-78 is 114 amino acids (aa) in length with a predicted molecular weight of 12 kDa. Following the removal of the signal peptide, bioactive CXCL5/ENA-78 is 78 aa in length. CXCL5/ENA-78 can be N-terminally cleaved by Cathepsin G and Chymotrypsin to CXCL5/ENA-74 (74 aa) and CXCL5/ENA-70 (70 aa), which show increased potency relative to CXCL5/ENA-78. While murine LIX was thought to be an ortholog to human CXCL5/ENA-78, genome-wide analysis and a consensus in the field suggests that human CXCL5/ENA-78 does not have a true murine ortholog. CXCL5/ENA-78 is upregulated at sites of inflammation and is expressed by multiple hematopoietic cell types, fibroblasts, endothelial cells, vascular smooth muscle cells, and adipocytes. It acts as a chemoattractant for neutrophils, has angiogenic properties, and contributes to cancer progression.
Specificity	Detects human ENA-78 in ELISAs and Western blots. In sandwich immunoassays, less than 0.2% cross-reactivity with rhGCP-2 is observed and less than 0.05% cross-reactivity with rmGCP-2, rhGRO alpha, rrCINC-1, rmKC, rhNAP-2 and rhIL-8 is observed.
Immunogen	E. coli-derived recombinant human CXCL5/ENA-78. Ala37-Asn114 Accession Number P42830
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
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	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

Gene Name	CXCL5 chemokine (C-X-C motif) ligand 5 [Homo sapiens (human)]
Official Symbol	CXCL5
Synonyms	CXCL5; chemokine (C-X-C motif) ligand 5; SCYB5; ENA-78; C-X-C motif chemokine 5; neutrophil-activating protein 78; neutrophil-activating peptide ENA-78; epithelial-derived neutrophil-activating protein 78; small inducible cytokine subfamily B (Cys-X-Cys),
Entrez Gene ID	6374
Protein Refseq	NP_002985
UniProt ID	P42830
Chromosome Location	4q13.3
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;