



Anti-CXCL16 monoclonal antibody, clone 253528 (DCABY-3974)

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

PRODUCT INFORMATION

Antigen Description	CXC chemokine ligand 16 (CXCL16) is a type I membrane protein that has a non-ELR CXC chemokine domain in its extracellular region. Fractalkine (CX3CL1) and CXCL16 constitute the only two transmembrane chemokines. Mouse and human CXCL16 share 70% amino acid sequence similarity within their chemokine domains and 49% overall amino acid sequence identity.
Specificity	Detects mouse CXCL16 in ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human CXCL1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, recombinant mouse CXCL1, 2, 6, 9, 10, 11, 12, 13, 14, 15, recombinant rat CXCL1, 2, 3, 5, or recombinant porcine CXCL8 is observed.
Immunogen	E. coli-derived recombinant mouse CXCL16. Asn27-Pro114 Accession Number Q8BSU2
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Mouse
Clone	253528
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	Western Blot, ELISA Capture (Matched Pair), Neutralization
Format	Lyophilized
Size	100 µg, 500 µg

Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
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	Cxcl16 chemokine (C-X-C motif) ligand 16 [Mus musculus (house mouse)]
Official Symbol	CXCL16
Synonyms	CXCL16; chemokine (C-X-C motif) ligand 16; SR-PSOX; Zmynd15; AV290116; BB024863; CXCL16v1; CXCL16v2; b2b498Clo; 0910001K24Rik; C-X-C motif chemokine 16; SR-PSOX/CXCL16; Mutant line 498; Cxc chemokine ligand 16; small-inducible cytokine B16; transmembrane
Entrez Gene ID	66102
Protein Refseq	NP_075647
UniProt ID	Q8BSU2
Chromosome Location	11; 11 B4
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; low-density lipoprotein receptor activity; scavenger receptor activity;