Anti-Mouse CXCL16

20150223ML

FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	**103-P44G**
Size:	100 µg
Lot. No.:	According to product label

Preparation: Produced from sera of goats pre-immunized with highly pure (>98%) recombinant mCXCL16 (murine CXCL16). Anti-mCXCL16 specific antibody was purified by affinity chromatography employing immobilized mCXCL16 matrix.

Target Background

Synonyms (Target):	Cxcl16; SR-PSOX; Zmynd15; AV290116; BB024863; CXCL16v1; CXCL16v2; 0910001K24Rik

CXCL16 is a member of the CXC chemokine family and signals through the CXCR6 receptor. CXCL16 may play a role in attracting lymphocyte subsets during inflammation and may facilitate certain immune responses. The chemokine domain of CXCL16 contains six cysteine residues including the four highly conserved cysteine residues characteristic of CXC chemokines. The CXCL16 gene codes for a 273 amino acid polypeptide, which includes a 29 amino acid cytoplasmic domain and transmembrane sequence containing approximately 20 amino acids. The extracellular portion of CXCL16 contains a chemokines domain and an extended C-terminal " mucin-like stalk" sequence. The extracellular domain contains 89 amino acid residues (86 a.a. residues for the murine homolog). Recombinant murine CXCL16 is a 9.9 kDa protein containing 88 amino acid residues.

Database References Target

Protein RefSeq:	NP_075647
Uniprot ID:	Q8BSU2
mRNA RefSeq:	NM_023158

Product Specifications

Species reactivity	Mouse
Clone/Ab feature	Goat IgG
Cross reactivity	Mouse
Host	Goat
Clonality	Polyclonal Antibody
Purification	Antigen-affinity purified
Immunogen	Recombinant Murine CXCL16
Formulation	lyophilized from PBS
Reconstitution buffer	water

Reconstitution: Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

Stability: The lyophilized antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C.

AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

Western Blot: To detect mCXCL16 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant mCXCL16 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

ELISA:
Indirect: To detect mCXCL16 by indirect ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2 - 0.4 ng/well of recombinant mCXCL16.

Sandwich: To detect mCXCL16 by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagent as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant mCXCL16.

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!