Mouse CXCL2 Antibody Pair Set

Catalog No. E-KAB-0319 **Applications** ELISA
Synonyms CXCL2, MIP-2a, GRO2, SCYB2, GROb, MGSA-B, CINC2a

Kit components & Storage

Title	Specifications	Storage
Mouse CXCL2 Capture Antibody	1 vial, 100 μ g	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Mouse CXCL2 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze / thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0319)	
		Mouse CXCL2 Capture Antibody	Mouse CXCL2 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse CXCL2 protein	Recombinant Mouse CXCL2 protein
	Swissprot	P10889	
Product details	Reactivity	Mouse	Mouse
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Mouse CXCL2 in ELISAs.	

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
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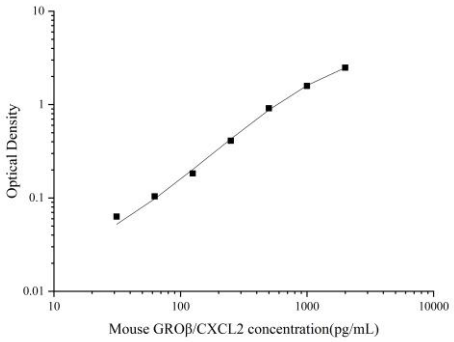
Applications

Mouse CXCL2 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4μg/mL	Mouse CXCL2 Capture Antibody	
ELISA Detection	1:1000-1:10000	Mouse CXCL2 Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

CXCL2/GRO beta, also called MIP-2 in mouse and CINC-3 in rat, is a member of the CXC chemokine family. Human CXCL2/GRO beta is 107 amino acids (aa) in length with a predicted molecular weight of 11 kDa. The mouse and rat orthologs share 70% and 71% aa sequence identity with the human protein, respectively. N-terminal aa 1-4 of CXCL2/GRO beta can be post-translationally cleaved which confers enhanced hematopoietic bioactivity. CXCL2/GRO beta is produced by a variety of cell types including monocytes and macrophages at sites of inflammation and is chemotactic for granulocytes, including neutrophils.

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