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Mouse GROa/CXCL1 Antibody Pair Set

Catalog No.E-KAB-0318ApplicationsELISASynonymsNAP3, GR01, GR0-A, MGSA, MGSA-A, SCYB1, FSP, CINC-1

Kit components & Storage

Title	Specifications	Storage
Mouse GROa/CXCL1 Capture Antibody	1 vial, 100 µ g	Store at -20° C for one year.
		Avoid freeze / thaw cycles.
Mouse GROa/CXCL1 Detection	1 vial, 50 μL	Store at -20° C for one year.
Antibody (Biotin)		Avoid freeze / thaw cycles.

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

Product Information

Items		Characteristic (E-KAB-0318)	
		Mouse GROα/CXCL1 Capture	Mouse GROa/CXCL1 Detection
		Antibody	Antibody (Biotin)
Immunogen	Immunogen	Recombinant Mouse GROa/CXCL1	Recombinant Mouse GROa/CXCL1
Information		protein	protein
	Swissprot	P12850	
Product details	Reactivity	Mouse	Mouse
	Host	Rat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50%	PBS with 0.04% Proclin 300, 1%
		glycerol, pH 7.4	protective protein, 50% glycerol, pH
			7.4
	Purify	Protein A or G	Antigen Affinity
	Specificity	Detects Mouse GROa/CXCL1 in ELISAs.	

For Research Use Only

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Applications

Mouse GROa/CXCL1 Sandwich ELISA Assay:

	Recommended	Reagent	Images
	Concentration/Dilution		
ELISA	0.5-4µg/mL	Mouse GROa/CXCL1 Capture	
Capture		Antibody	
ELISA Detection	1:1000-1:10000	Mouse GROa/CXCL1 Detection Antibody (Biotin)	Optical Density
			10 100 1000 10000 Mouse GROa/CXCL1 concentration(pg/mL)

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

Background

CXCL1 (C-X-C Motif Chemokine Ligand 1) is a Protein Coding gene. Diseases associated with CXCL1 include Melanoma and Bacterial Meningitis. Among its related pathways are Peptide ligand-binding receptors and Chemokine Superfamily Pathway: Human/Mouse Ligand-Receptor Interactions. GO annotations related to this gene include receptor binding and chemokine activity. An important paralog of this gene is CXCL2. This antimicrobial gene encodes a member of the CXC subfamily of chemokines. The encoded protein is a secreted growth factor that signals through the G-protein coupled receptor, CXC receptor 2. This protein plays a role in inflammation and as a chemoattractant for neutrophils. Aberrant expression of this protein is associated with the growth and progression of certain tumors. A naturally occurring processed form of this protein has increased chemotactic activity. Alternate splicing results in coding and non-coding variants of this gene. A pseudogene of this gene is found on chromosome 4.