Rat GROβ/CXCL2 Antibody Pair Set

Catalog No. E-KAB-0373 **Applications** ELISA
Synonyms CXCL2, MIP-2a, GRO2, SCYB2, GROb, MGSA-B, CINC2a

Kit components & Storage

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

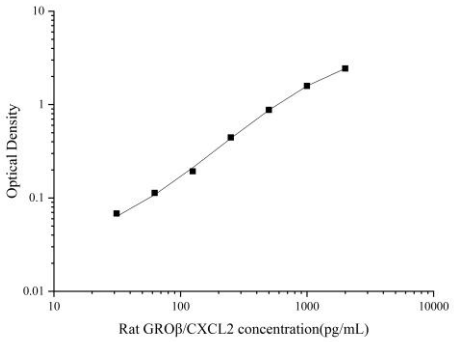
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0373)	
		Rat GROβ/CXCL2 Capture Antibody	Rat GROβ/CXCL2 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Rat GROβ/CXCL2 protein	Recombinant Rat GROβ/CXCL2 protein
	Swissprot	P30348	
Product details	Reactivity	Rat	Rat
	Host	Mouse	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	Protein A or G	Antigen Affinity
	Specificity	Detects Rat GROβ/CXCL2 in ELISAs.	

Applications

Rat GROβ/CXCL2 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4μg/mL	Rat GROβ/CXCL2 Capture Antibody	
ELISA Detection	1:1000-1:10000	Rat GROβ/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.