Mouse GAL3 Antibody Pair Set

Catalog No. E-KAB-0690 **Applications** ELISA
Synonyms LGALS3;CBP35;GALBP;GALIG;L31;LGALS2;MAC2;Lectin;Galactoside-Binding Soluble 3

Kit components & Storage

Title	Specifications	Storage
Mouse GAL3 Capture Antibody	1 vial, 100 μ g	Store at -20℃. Avoid freeze / thaw cycles.
Mouse GAL3 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃. Avoid freeze / thaw cycles.

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

Product Information

Items		Characteristic (E-KAB-0690)	
		Mouse GAL3 Capture Antibody	Mouse GAL3 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse GAL3 protein	Recombinant Mouse GAL3 protein
	Swissprot	P16110	
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	Affinity purification	Affinity purification
	Specificity	Detects Mouse GAL3 in ELISAs.	

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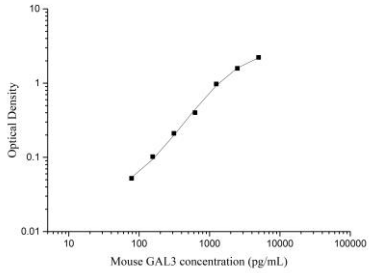
Applications

Mouse GAL3 Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4ug/mL	Mouse GAL3 Capture Antibody	
ELISA Detection	1:1000-1:10000	Mouse GAL3 Detection Antibody (Biotin)	

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

Background

Galectin-3 is a member of the lectin family,which includes 15 mammalian lectin members. Like all galectins,galectin-3 contains a carbohydrate recognition binding domain of about 130 amino acids that enables the specific binding of β-galactosides. This protein has been shown to be involved in cell adhesion,cell activation,chemoattraction,cell growth and differentiation,cell cycle,and apoptosis. Galectin-3 induces pro-inflammatory cytokines and inhibits Th2 type cytokine production. It chemoattracts monocytes and macrophages,and activates and degranulates basophils and mast cells. Galectin-3 has been shown to be involved in cancer,inflammation,fibrosis,heart disease,and stroke. It has also been shown that the expression of galectin-3 is implicated in a variety of processes associated with heart failure,including myofibroblast proliferation,tissue repair,inflammation,fibrogenesis,and ventricular remodeling. In addition,galectin-3 was found to contribute to tumor cell evasion of the immune system. Galectin-3 is increasingly being used as a diagnostic marker for different cancers. It can be screened for and used as a prognostic factor to predict the progression of the cancer.

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