Rat GAL3 Antibody Pair Set

Catalog No. E-KAB-0643 **Applications** ELISA
Synonyms LGALS3;CBP35;GALBP;GALIG;L31;LGALS2;MAC2;Lectin;Galactoside-Binding Soluble 3

Kit components & Storage

Title	Specifications	Storage
Rat GAL3 Capture Antibody	1 vial, 100 μ g	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Rat GAL3 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-0643)	
		Rat GAL3 Capture Antibody	Rat GAL3 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Rat GAL3 protien	Recombinant Rat GAL3 protien
	Swissprot	P08699	
Product details	Reactivity	Rat	Rat
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Rat GAL3 in ELISAs.	

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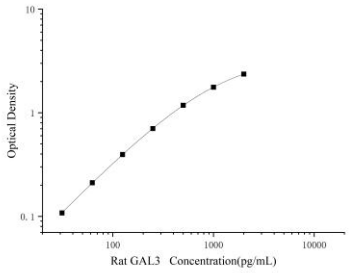
Applications

Rat GAL3 Sandwich ELISA Assay

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

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

Background

Galectins are a family of animal lectins defined by shared characteristic amino-acid sequences and affinity for β-galactose-containing oligosac-charides . Galectin-3 contains one carbohydrate recognition domain (CRD) and a proline- and glycine-rich N-terminal domain through which is able to form oligomers. Galectin-3 is widely expressed in many normal tissues and a variety of tumors. It is found intracellularly in nucleus and cytoplasm or secreted outside of cell;being present on the cell surface or in the extracellular space . Galectin-3 is involved in various biological processes including cell growth;adhesion;differentiation;apoptosis;angiogenesis;immune response;neoplastic transformation and metastasis .

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