

Human GAL1 Antibody Pair Set

Catalog No.	E-KAB-0493	Applications	ELISA
Synonyms	LGALS1;GBP;Lectin;Galactoside-Binding Soluble 1		

Kit components & Storage

Title	Specifications	Storage
Human GAL1 Capture Antibody	1 vial, 100 µg	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Human GAL1 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.

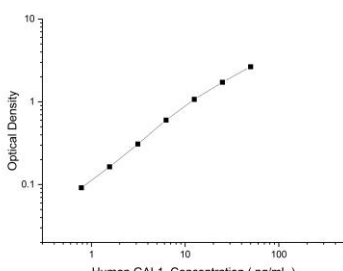
Product Information

Items		Characteristic (E-KAB-0493)	
		Human GAL1 Capture Antibody	Human GAL1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human GAL1 protien	Recombinant Human GAL1 protien
	Swissprot	P09382	
Product details	Reactivity	Human	Human
	Host	Goat	Rabbit
	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	Protein A or G
	Specificity	Detects Human GAL1 in ELISAs.	

For Research Use Only

Applications

Human GAL1 Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images														
ELISA Capture	0.5-4 µg/mL	Human GAL1 Capture Antibody	 <table><caption>Estimated data points from the standard curve</caption><thead><tr><th>Human GAL1 Concentration (ng/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>1</td><td>0.1</td></tr><tr><td>2</td><td>0.2</td></tr><tr><td>5</td><td>0.5</td></tr><tr><td>10</td><td>1.0</td></tr><tr><td>20</td><td>2.0</td></tr><tr><td>50</td><td>4.0</td></tr></tbody></table>	Human GAL1 Concentration (ng/mL)	Optical Density	1	0.1	2	0.2	5	0.5	10	1.0	20	2.0	50	4.0
Human GAL1 Concentration (ng/mL)	Optical Density																
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ELISA Detection	1:1000-1:10000	Human GAL1 Detection Antibody (Biotin)															

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

Background

The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. This gene product may act as an autocrine negative growth factor that regulates cell proliferation. May regulate apoptosis, cell proliferation and cell differentiation. Binds beta-galactoside and a wide array of complex carbohydrates. Inhibits CD45 protein phosphatase activity and therefore the dephosphorylation of Lyn kinase.

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