

Human LGALS3BP Antibody Pair Set

Catalog No.	E-KAB-0265	Applications	ELISA
Synonyms	LGALS3BP, 90K, BTBD17B, CyCAP, M2BP, MAC-2-BP, TANGO10B, gp90, galectin 3 binding protein		

Kit components & Storage

Title	Specifications	Storage
Human LGALS3BP Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Human LGALS3BP Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

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

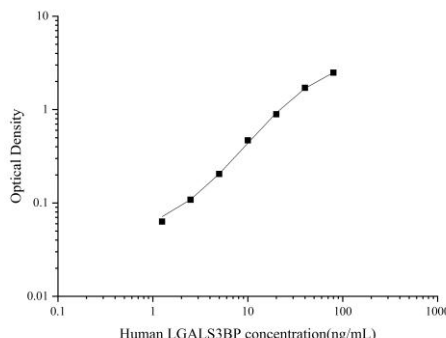
Product Information

Items		Characteristic (E-KAB-0265)	
		Human LGALS3BP Capture Antibody	Human LGALS3BP Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human LGALS3BP protein	Recombinant Human LGALS3BP protein
	Swissprot	Q08380	
Product details	Reactivity	Human	Human
	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	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human LGALS3BP in ELISAs.	

For Research Use Only

Applications

Human LGALS3BP Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4µg/mL	Human LGALS3BP Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Human LGALS3BP concentration (ng/mL). The x-axis ranges from 0.1 to 1000 ng/mL, and the y-axis ranges from 0.01 to 10. The data points show a clear upward trend, indicating a positive correlation between the concentration of Human LGALS3BP and the resulting optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human LGALS3BP concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr><td>1</td><td>0.05</td></tr> <tr><td>2</td><td>0.1</td></tr> <tr><td>5</td><td>0.2</td></tr> <tr><td>10</td><td>0.4</td></tr> <tr><td>20</td><td>0.8</td></tr> <tr><td>50</td><td>1.5</td></tr> <tr><td>100</td><td>2.5</td></tr> </tbody> </table>	Human LGALS3BP concentration (ng/mL)	Optical Density	1	0.05	2	0.1	5	0.2	10	0.4	20	0.8	50	1.5	100	2.5
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ELISA Detection	1:1000-1:10000	Human LGALS3BP 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. LGALS3BP is a widely expressed, secreted galectin. It has been found elevated in the serum of patients with various types of breast, lung, colorectal, ovary, and endometrial cancer, and in those infected by the human immunodeficiency virus (HIV). High expression levels of LGALS3BP are associated with a shorter survival, the occurrence of metastasis or a reduced response to chemotherapy. The native protein binds specifically to a human macrophage-associated lectin known as Mac-2 and also binds galectin 1. It appears to be implicated in immune response associated with natural killer (NK) and lymphokine-activated killer (LAK) cell cytotoxicity. Immunoblotting showed that LGALS3BP is likely contained in breast milk, serum, semen, saliva, urine, and tears.