

Rat Galectin-3-binding protein (LGALS3BP) ELISA Kit

Catalog No: #EK10098



Package Size: #EK10098-1 48T #EK10098-2 96T

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Description

Product Name	Rat Galectin-3-binding protein (LGALS3BP) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (<i>Rattus norvegicus</i>)
Other Names	90K; BTBD17B; MAC-2-BP; L3 antigen Mac-2-binding protein galectin 3 binding protein serum protein 90K
Accession No.	O70513
Uniprot	O70513
GeneID	245955;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:1.56-100 ng/mL

Sensitivity:0.64 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate LGALS3BP in samples. An antibody specific for LGALS3BP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLGALS3BP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LGALS3BP is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of LGALS3BP bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Galectin-3-binding protein is a protein encoded by the LGALS3BP gene.The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. LGALS3BP has been found elevated in the serum of patients with cancer and in those infected by the human immunodeficiency virus (HIV). It appears to be implicated in immune response associated with natural killer (NK) and lymphokine-activated killer (LAK) cell cytotoxicity. Using fluorescence in situ hybridization the full length 90K cDNA has been localized to chromosome 17q25. The native protein binds specifically to a human macrophage-associated lectin known as Mac-2 and also binds galectin 1.

Note: This product is for in vitro research use only