

Recombinant Human Galectin-3 (LGALS3)

Cat No:HR2R1443

For research use only

Overview

Quantity	50 µg
Gene Symbol	LGALS3
Gene ID	3958
Accession	P17931
Alternative Name	IgE-Binding Protein, Gal-3, 35 kDa lectin, Carbohydrate-binding protein 35, CBP 35, Galactose-specific lectin 3, Galactoside-binding protein, GALBP, L-31, Laminin-binding protein, Lectin L-29, Mac-2 antigen
Species	Human
Source	E. coli
Description	Gal-3 interacts, via its lectin domain, with glycoproteins and glycolipids on the surface of animal cells. It has been shown that nuclear Gal-3 can modulate gene expression while cytosolic Gal-3 can inhibit apoptosis and participate in exocytosis. Gal-3 is generally expressed by the epithelial cells of many tissues as well as by inflammatory cells. An increased level of Gal-3 expression may lead to some lymphomas, as well as thyroid and hepatic carcinomas while the down-regulation has been associated with breast and colon cancer.
Functions	Measured by its ability to agglutinate human red blood cells. The ED(50) for this effect is typically 3-10 µg/mL.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS.
Solubility	Reconstitute at 50 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin
Appearance	Lyophilized Powder
Molecular Weight	26.1
Purity	>95% as determined by SDS-PAGE
Concentration	< 1.0 EU/µg of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2° - 8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.