

ARG81257 Human Galectin 3 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG81257 Human Galectin 3 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Galectin 3 in serum, plasma or cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Galectin 3
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31 pg/ml
Sample Type	Serum, plasma or cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl
Alternate Names	Laminin-binding protein; Gal-3; L-31; GALBP; Galactoside-binding protein; MAC2; GAL3; GALIG; Mac-2 antigen; CBP 35; Galectin-3; CBP35; Galactose-specific lectin 3; IgE-binding protein; L31; 35 kDa lectin; Carbohydrate-binding protein 35; Lectin L-29

Application Instructions

Assay Time	~ 3.5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	LGALS3
Gene Full Name	lectin, galactoside-binding, soluble, 3
Background	This gene encodes a member of the galectin family of carbohydrate binding proteins. Members of this protein family have an affinity for beta-galactosides. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. This protein can self-associate through the N-terminal domain allowing it to bind to multivalent saccharide ligands. This protein localizes to the extracellular matrix, the cytoplasm and the nucleus. This protein plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion and T-cell regulation. The protein exhibits antimicrobial activity against bacteria and fungi. Alternate

splicing results in multiple transcript variants.[provided by RefSeq, Oct 2014]

Function

Galactose-specific lectin which binds IgE. May mediate with the alpha-3, beta-1 integrin the stimulation by CSPG4 of endothelial cells migration. Together with DMBT1, required for terminal differentiation of columnar epithelial cells during early embryogenesis (By similarity). In the nucleus: acts as a pre-mRNA splicing factor. Involved in acute inflammatory responses including neutrophil activation and adhesion, chemoattraction of monocytes macrophages, opsonization of apoptotic neutrophils, and activation of mast cells. [UniProt]

Highlight

Related products:

[Galectin 3 antibodies](#); [Galectin 3 ELISA Kits](#); [Galectin 3 recombinant proteins](#);

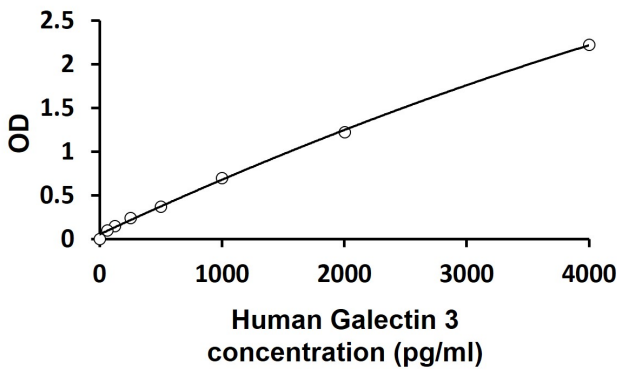
Related news:

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New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

Images



ARG81257 Human Galectin 3 ELISA Kit standard curve image

ARG81257 Human Galectin 3 ELISA Kit results of a typical standard run with optical density reading at 450 nm.