

Galectin-9/LGALS9
Catalog # PVGS1636**Specification**

Galectin-9/LGALS9 - Product Information

Primary Accession
Species
Human

[Q3B8N1-2](#)

Sequence
Met1-Thr323

Purity
> 95% as analyzed by SDS-PAGE

Endotoxin Level
≤ 1 EU/ µg of protein by LAL method

Expression System
Human Cells

Formulation

Lyophilized from a 0.2 µm filtered solution in 50 mM MOPS, 150 mM NaCl, 1 mM DTT, 1 mM EDTA, 5% Trehalose, pH 7.4.

Reconstitution

It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in distilled water up to 100 µg/ml.

Storage & Stability

Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4-7°C and up to 3 months at -20°C or below. Avoid repeated freeze-thaw cycles.

Galectin-9/LGALS9 - Additional Information**Target Background**

Galectin-9 is a cytoplasmic protein that contains two galectin domains. Galectin-9 is an S-type lectin that is over-expressed in Hodgkin's disease tissue. Galectin-9 binds galactosides and has high affinity for the Forssman pentasaccharide. Galectin-9 plays a role in thymocyte-epithelial interactions relevant to the biology of the thymus and Inhibits cell proliferation. Galectin-9 is a ligand for HAVCR2/TIM3 and induces T-helper type 1 lymphocyte (Th1) death. In addition, Galectin-9 suppresses tumor cell metastasis by interfering with the associations CD44, VCAM-1, Integrin α4β1.

Galectin-9/LGALS9 - Protein Information

Galectin-9/LGALS9 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Galectin-9/LGALS9 - Images