

Recombinant Human Galectin-9/LGALS9 Protein

Catalog No.: RP01046 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3965	O00182-2

Tags

N-His

Synonyms

LGALS9;HUAT;LGALS9A

Product Information

Source	Purification
HEK293 cells	> 92% by SDS-PAGE.

Endotoxin

Please contact us for more information.

Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

Contact

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Background

Basic Information

Description

Recombinant Human Galectin-9/LGALS9 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala2-Thr323) of human Galectin-9/LGALS9 (Accession #NP_002299.2) fused with a 6×His tag at the N-terminus.

Bio-Activity

1. Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human Galectin-9 at 2 µg/mL can bind Recombinant Human TIM-3 with a linear range of 5-15 µg/mL. 2. Measured by the ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells. When 8×10⁴ cells/well are added to LGALS9 coated plates (5 µg/mL and 100 µL/well) in the presence of 10 µg/ml PHA, approximately 70-80% cells will adhere specifically after 60 minutes at 37°C.

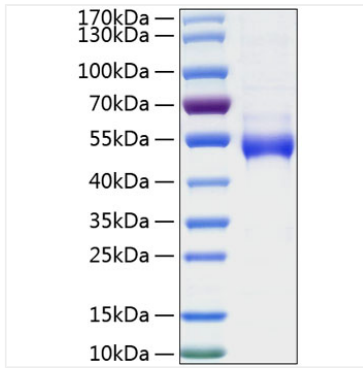
Storage

Store the lyophilized protein at -20°C to -80 °C for long term.

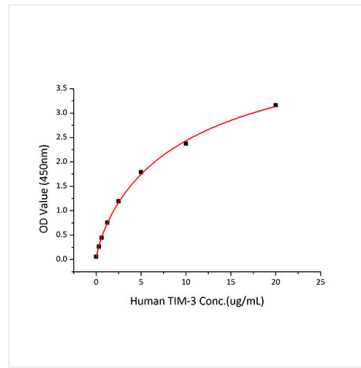
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human Galectin-9/LGALS9 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 40-50 kDa



Immobilized Recombinant Human Galectin 9 at 2µg/mL can bind Recombinant Human TIM-3 with a linear range of 5-15µg/mL.