Recombinant Human Galectin-9/LGALS9 Protein

Catalog No.: RP01046

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Sequence Information

Species
Human

Gene ID
3965

Swiss Prot
O00182-2

Tags
N-His

Synonyms
LGALS9,HUAT,LGALS9A

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
36.59 kDa

Observed MW
50-55 kDa

Endotoxin
Please contact us for more information.

Formulation
Lyophilized from a 0.22 μm filtered solution of 50mM MOPS、150mM NaCl、1mM EDTA、1mM DTT pH 7.4.

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

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 its ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells. The ED_{50} for this effect is 0.202-0.808 μg/mL, corresponding to a specific activity of 1237.62~4950.50 units /mg.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

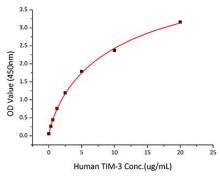
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

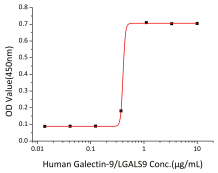
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

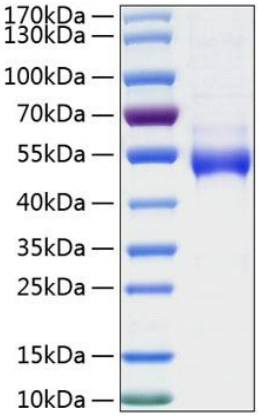
Validation Data



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



Measured by its ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells. The ED_{50} for this effect is 0.202-0.808 μg/mL, corresponding to a specific activity of 1237.62~4950.50 units/mg.



Recombinant Human Galectin-9/LGALS9 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.