InnoCyto Inc.
15375 Barranca Pkwy, Suite I-103
Irvine, CA 92618

Technical Data Sheet

Mouse Galectin 3 Protein (N-His)

Catalog Number: 604401
Size: 25 ug
Target Name: Galectin-3, LGALS3, MAC2, Gal-3, Mac-2 antigen
Regulatory Status: RUO

Product Details

Application: ELISA, BLI
Format: Liquid, Purified
Expression Host: HEK293
Species: Mouse
Accession Number: NP_034835
Sources: Recombinant Mouse Galectin 3 (Ala2-Ile264) with N-His tag is expressed in 293 cells.
Molecular Weight: This protein has a predicted molecular weight of 29.6 kDa. Under DTT-reducing conditions, the protein migrates at approximately 35-40 kDa on SDS-PAGE.
Affinity Tag: N-His
Purity: >90% based on SDS-PAGE under reducing condition
Formulation: 1xPBS buffer, pH7.4, 0.22 µm filtered
Endotoxin level: Not tested
Protein Concentration: 25µg size is bottled at 0.2mg/mL concentration. 100 µg size is supplied at a lot-specific concentration.
Storage and Handling: Briefly centrifuge the vial upon receipt. An unopened vial can be stored at 4°C for up to 2 weeks, or at -20°C or below for up to six months. The protein may be further diluted to 0.1 mg/mL using 0.22 µm-filtered PBS buffer (pH 7.4). For long-term storage, the diluted stock solution should be aliquoted and stored at <= –70°C to minimize freeze-thaw cycles. If additional dilution is required, carrier proteins such as FBS or BSA should be added to maintain protein stability.

Background Information

Galectin-3 is a multifunctional ?-galactoside-binding protein belonging to the galectin family. It plays important roles in various biological processes, including cell adhesion, immune response modulation, inflammation, apoptosis, and tumor progression. Galectin-3 can be found both intracellularly and extracellularly, where it mediates cell-cell and cell-matrix interactions by binding to specific carbohydrate structures on glycoproteins and glycolipids. Due to its involvement in cancer, fibrosis, and immune regulation, Galectin-3 is a significant biomarker and potential therapeutic target.

Product Data

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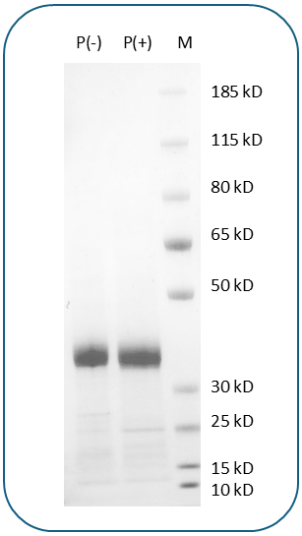

Purified Mouse Galectin 3 Protein (N-His) on SDS-PAGE under reducing (P+) and non-reducing (P-) conditions.The purity of the purified protein appears to be greater than 90% based on reducing condition.