
Product Data Sheet

Product Name: LGALS3 Mouse, Active

Cat. No.: GP26025

Batch No.: 1

Product Data

Purity >98%

Source E.coli.

Physical Appearance solid

Shipping Condition withIcePacks

Synonyms Lectin galactose binding soluble 3, Lectin, galactose binding, soluble 3, CBP35, GAL3, GALBP, GALIG, LGALS2, MAC2.

Amino Acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMADSFSL NDALAGSGNP NPQGYPGAWG
 NQPGAGGYPG AAYPGAYPGQ APPGAYPGQA PPGAYPGQAP PSAYPGPTAP
 GAYPGPTAPG AYPGSTAPGA FPGQPGAPGA YPSAPGGYPA AGPYGVPAGP
 LTPYDLPLP GGVMRMLIT IMGTVKPNAN RIVLDFRRGN DVAHFHFNPRF
 NENRRVIVC NTKQDNNWGK EERQSAPFFE SGKPFKIQVL VEADHFKVAV
 NDAHLLQYNH RMKNLREISQ LGISGDITLT SANHAMI.

Formulation

LGALS3 protein (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0),
 0.15M NaCl, 50% glycerol, 1mM DTT and 2mM EDTA.

Introduction

Galectin 3, or LGALS3, is a protein which belongs to the animal lectins family, that binds betagalactoside residues selectively. LGALS3 is originated and leaves cells through ectocytosis. The protein is capable of inhibition apoptosis and the development of cancer. Galectin 3 is found in epithelial tissues in organisms, it can be located in dendritic cells, Kupffer cells, macrophages etc. LGALS3 levels elevated when inflammation is generating, cell proliferation, trans-activation by viral proteins and cell differentiation.

Biological Activity

Measured by its ability to agglutinate human red blood cells. The ED50 for this effect is $\geq 25\mu\text{g/ml}$.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store. frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

LGALS3 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 287 amino acids (1-264 a.a) and having a molecular mass of 29.8kDa. LGALS3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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