
Product Data Sheet

Product Name: LGALS3 Mouse
 Cat. No.: GP20283
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CBP35; GAL3; GALBP; GALIG; LGALS2; MAC2; Galectin-3; Lectin; galactose binding; soluble 3; Lectin; galactose binding; soluble 3; isoform CRA_a; Lectin; galactose binding; soluble 3; isoform CRA_d; Lgals3.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMADSFSL NDALAGSGNP NPQGYPGAWG NQPGAGGYPG AAYPGAYPGQ APPGAYPGQA PPGAYPGQAP PSAYPGPTAP GAYPGPTAPG AYPGSTAPGA FPGQPGAPGA YPSAPGGYPA AGPYGVPAGP LTPYDLPLP GGVMRMLIT IMGTVKPNAN RIVLDFRRGN DVAHFHFNRF NENRRVIVC NTKQDNNWGK EERQSAPFFE SGKPFKIQVL VEADHFKVAV NDAHLLQYNH RMKNLREISQ LGISGDITLT SANHAMI.		
Formulation	The LGALS3 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 50% glycerol, 1mM DTT and 2mM EDTA.		

Introduction

Galectin-3 mediates with the alpha-3, beta-1 integrin the stimulation by cspg4 of endothelial cells migration. Galectin-3 plays an necessary part during the acquisition of vasculogenic mimicry and angiogenic properties associated with melanoma progression. LGALS3 overexpression is highly expressed in early stages of papillary carcinoma, and its expression intensity declines during tumor progression. Serum levels of LGALS3 are high in patients with thyroid malignancy but there is considerable overlap in serum LGALS3 concentrations between those with benign and malignant nodular thyroid disease. LGLAS3 takes part as an immune regulator to inhibit T-cell immune responses and promote tumor growth, as a result providing a new mechanism for tumor immune tolerance.

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.

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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 polypeptide chain containing 287 amino acids (1-264) and having a molecular mass of 29.8 kDa. LGALS3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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