

32-1223: LGALS3 His Recombinant Protein

Alternative Name : Galectin-3,GAL3,MAC2,CBP35,GALB,GALIG,LGALS2,LGALS3,Galactose-specific lectin 3,Mac-2 antigen,IgE-binding protein,35 kDa lectin,Carbohydrate-binding protein 35,CBP 35,Laminin-binding protein,Lectin L-29,L-31,Galactoside-binding prote

Description

Source : Escherichia Coli. LGALS3 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 270 amino acids (1-250 a.a.) and having a molecular mass of 28.3 kDa. The LGALS3 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. 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.

Product Info

Amount : 25 µg
Purification : Greater than 95.0% as determined by SDS-PAGE.
Content : The Galectin-3 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.1M NaCl, 1mM DTT and 10% Glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer 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.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MADNFSLHDA LSGSGNPNPQ GWPGAWGNQP AGAGGYPGAS YPGAYPGQAP PGAYPGQAPP GAYPGAPGAY PGAPAPGVYP GPPSGPGAYP SSGQPSATGA YPATGPYGAP AGPLIVPYNL PLPGGVVPRM LITILGTVKP NANRIALDFQ RGNDVAFHFN PRFNENRRRV IVCNTKLDNN WGREERQSVF PFESGKPFKI QVLVEPDHFK VAVNDAHLLQ YNHRVKKLINE ISKLGISGDI DLTSASYTMI.

Application Note

The ED50 for this effect is < 2.5ug/ml as measured by its ability to agglutinate human red blood cells.