

### 32-6364: LGALS3 Mouse, Active

**Application :** Functional Assay

**Alternative Name :** Lectin galactose binding soluble 3, Lectin, galactose binding, soluble 3, CBP35, GAL3, GALBP, GALIG, LGALS2, MAC2.

#### Description

Source: E.coli.

Sterile Filtered colorless solution.

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.

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.

#### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 95% as determined by SDS-PAGE.

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

**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 :** MGSSHHHHH SSGLVPRGSH MGSMADSFSL NDALAGSGNP NPQGYPGAWG  
NQPGAGGYPG AAYPGAYPGQ APPGAYPGQA PPGAYPGQAP PSAYPGPTAP GAYPGPTAPG  
AYPGSTAPGA FPGQPGAPGA YPSAPGGYPA AGPYGVPA GP LTVPYDLPLP GGVMRMLIT  
IMGTVKPNAN RIVLDFRRGN DVAHFHNPFR NENNRVIVC NTKQDNNWGK EERQSAFPFE  
SGKPFKIQVL VEADHFKVAV NDAHLLQYNH RMKNLREISQ LGISGDITLT SANHAMI.

#### Application Note

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