

## 32-12078: Human Galectin-1

**Gene :** LGALS1

**Gene ID :** 3956

**Uniprot ID :** P09382

**Alternative Name :** 14 kDa laminin-binding protein, 14 kDa lectin, Beta-galactoside-binding lectin L-14-I, Galaptin, HBL, HPL, Lactose-binding lectin 1, Lectin galactoside-binding soluble 1, Putative MAPK-activating protein PM12, S-Lac lectin 1

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Monomer, 14.7 kDa (135 aa)

Å Galectin-1 belongs to the lectin family of carbohydrate binding proteins and binds glycans as both a monomer and a homodimer. Galectin-1 is produced in peripheral lymphoid organs and inflammatory sites. Galectin-1 plays important roles in acute and chronic inflammatory processes, cell growth, cell proliferation, and induces apoptosis of activated T cells. Galectin-1 also modulates cytokine secretion and inhibits pro-inflammatory cytokine production.

### Product Info

**Amount :** 50 µg / 100 µg

**Purification :** Reducing and Non-Reducing SDS PAGE at  $\geq 95\%$

**Content :** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5  
Sterile water at 0.1 mg/mL

**Storage condition :** Store at  $-20^{\circ}\text{C}$

**Amino Acid :** MACGLVASNL NLKPGELRV RGEVAPDAKS FVLNLGKDSN NLCLHFNPRF NAHG DANTIV  
CNSKDGGA WG TEQREAVFPF QPGSVAEVC I TFDQANLTVK LPDGYEFKFP NRLNLEAINY MAADGDFKIK  
CVAFD

### Application Note

**Endotoxin:** Less than  $0.1 \text{ ng}/\mu\text{g}$  (1 IEU/ $\mu\text{g}$ ) as determined by LAL test.

Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at  $-80^{\circ}\text{C}$  and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overflow has been added to the total material vial to compensate for this loss.



