

## 32-20131: Recombinant Human Galectin-3(Discontinued)

**Reactivity :** Human, Mouse

**Alternative Name :** Galactose-specific lectin-3, IgE-binding protein, MAC2, L-29, CPB-35

### Description

**Source:** **E.coli** Lectins, of either plant or animal origin, are carbohydrate-binding proteins that interact with glycoproteins and glycolipids on the surface of animal cells. The Galectins are lectins that recognize and interact with Beta -galactoside moieties. Galectin-3 regulates a number of biological processes, including embryogenesis, inflammatory responses, cell progression and metastasis. Galectin-3 is normally expressed in epithelia of a variety of tissues, including colon and endometrium, and in various inflammatory cells, including macrophages. Galectin-3 can function intracellularly, controlling the cell cycle and preventing T-cell apoptosis, and also extracellularly, by activating various cells, including monocytes/macrophages, mast cells, neutrophils, and lymphocytes. Expression of Galectin-3 is affected by neoplastic transformation, being up-regulated in certain types of lymphomas, and in thyroid and hepatic carcinomas. Conversely, it is down-regulated in other cancers such as colon, breast, ovarian, and uterine. Recombinant Human Galectin-3 is a globular 26.0 kDa protein containing 250 amino acid residues, but no disulfide bonds.

### Product Info

**Amount :** 10 µg / 50 µg

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** ADNFSLHDAL SGSGNPNPQG WPGAWGNQPA GAGGYPGASY PGAYPGQAPP GAYPGQAPPG  
AYHGAPGAYP GAPAPGVYPG PPSGPGAYPS SGQPSAPGAY PATGPYGAPA GPLIVPYNLP LPGGVVPRML  
ITILGTVKPN ANRIALDFQR GNDVAFHFNPFNFENNRRVI VCNTKLDNNW GREERQSVFP FESGKPFKIQ  
VLVEPDHFKV AVNDAHLLQY NHRVKKLNEI SKLGISGDID LTSASYTMI

### Application Note

Determined by its ability to chemoattract human blood monocytes. Chemotactic activity was observed at a concentration of 2.5 Åµg/ml with a peak response obtained at 250 Åµg/ml.