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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 GNDVAFHFNP RFNENNRRVI 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 Ã‚µg/ml with a peak response obtained at 250 Ã‚µg/ml.