

## 32-20130: Recombinant Human Galectin-1(Discontinued)

**Reactivity :** Human, Mouse, Rat

**Alternative Name :** Galactose-specific lectin-1, Beta-galactoside-binding lectin L-14-I, Galaptin, 14 kDa lectin, S-LAC lectin-1

### Description

**Source:** **E.coli** Lectins, of either plant or animal origin, are carbohydrate-binding proteins that interact with glycoprotein and glycolipids on the surface of animal cells. The Galectins are lectins that recognize and interact with Beta -galactoside moieties. Galectin-1 is an animal lectin that has been shown to interact with CD3, CD4, and CD45. It induces apoptosis of activated T cells and T leukemia cell lines, and inhibits the protein phosphatase activity of CD45. Recombinant Human Galectin-1 is a 14.5 kDa protein containing 134 amino acid residues.

### Product Info

**Amount :** 10 µg / 50 µg

**Purification :** Purity:  $\geq 98\%$  by SDS-PAGE gel and HPLC analyses.

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

**Amino Acid :** ACGLVASNLN LKPGELRVR GEVAPDAKSF VLNLGKDSNN LCLHFNPRFN AHGDANTIVC  
NSKDGGAWGT EQREAVFPFQ PGSAEVCIT FDQANLTVKL PDGYEFKFPN RLNLEAINYM AADGDFKIKC  
VAFD

### Application Note

Determined by its ability to chemoattract human blood monocytes. Chemotactic activity was observed at a concentration of  $2.5 \times 10^{-6}$  µg/ml with a peak response obtained at  $250 \times 10^{-6}$  µg/ml.