

## Recombinant Human Galectin-1

Catalog # PBG10124

# Specification

#### Recombinant Human Galectin-1 - Product Information

### Recombinant Human Galectin-1 - Additional Information

# **Description**

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.

## **Biological**Activity

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

## **Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

#### **Endotoxin**

Endotoxin level is  $<0.1 \text{ ng}/\mu\text{g}$  of protein ( $<1\text{EU}/\mu\text{g}$ ).

### **Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

### Storage

-20°C

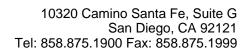
## **Precautions**

Recombinant Human Galectin-1 is for research use only and not for use in diagnostic or therapeutic procedures.

## Recombinant Human Galectin-1 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture





**Recombinant Human Galectin-1 - Images**