

## PRODUCT INFORMATION SUMMARY

### Human Galectin-3

PRODUCT NUMBER	HC70044B	Purified factor	50 ug
PRODUCT NUMBER	HC70044A	Purified factor	10 ug

#### DESCRIPTION:

Human Galectin-3 is a beta galactosidase binding lectin, that regulates the inflammatory response, metastasis, and embryogenesis. Expressed in epithelia of colon, and endometrium tissues, and inflammatory cell types such as macrophages. Human Galectin-3 is upregulated in neoplastic transformation of lymphomas and hepatic carcinomas. It also can be down regulated in other cancers such as colon, breast and ovary. Molecular weight of 26.0 kDa with 250 amino acid residues with no disulfide bonds.

#### SOURCE:

E. Coli  
Purity greater than 97% by HPLC analysis  
Endotoxin level < 0.1 ng per ug Galectin.  
Sterile-filtered from 2 mM TRIS,pH 7.5; lyophilized and additive-free.

#### HANDLING AND STORAGE:

Provided as lyophilized protein. Human Galectin-3 should be reconstituted in sterile or distilled water to concentration of 100 ug/mL. Further dilute in PBS or other buffered solutions. This can be stored in small aliquots at -20° C. for long-term storage. **Microcentrifuge before reconstitution.** Because ANTIGENIX AMERICA factors are provided carrier-protein free, the small quantities of lyophilized protein can adhere to the sides of the vial. **Before opening vial,** we recommend microcentrifuging for 30 seconds to spin-down all material.

**BIOACTIVITY:** Chemotactic activity observed at concentration of 2.5 ug/mL with peak response at 250 ug/mL, as measured in ability to chemoattract human blood monocytes.

**WARRANTY:** Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

**FOR RESEARCH USE ONLY. NOT FOR THERAPEUTIC OR DRUG USE.**