



## Monoclonal Anti-human Galectin-3 Antibody

### ORDERING INFORMATION

**Catalog Number:** MAB11541

**Clone:** 194805

**Lot Number:** CAVJ02

**Size:** 500 µg

**Formulation:** 0.2 µm filtered solution in PBS  
with 5% trehalose

**Storage:** -20° C

**Reconstitution:** sterile PBS

**Specificity:** human Galectin-3

**Immunogen:** *E. coli*-derived rhGalectin-3

**Ig class:** mouse IgG<sub>2b</sub>

**Recommended Application:**  
ELISA capture

### Background

Galectin-3, also known as Mac-2, L29, CBP35 and εBP, is a member of a large family of carbohydrate-binding proteins with specificity for N-acetyl-lactosamine-containing glycoproteins. At least 14 mammalian galectins, which share structural similarities in their carbohydrate recognition domains (CRD), have been identified to date. Galectin-3 is expressed in tumor cells, macrophages, activated T cells, osteoclasts, epithelial cells and fibroblasts.

### Preparation

This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, *E. coli*-derived, recombinant human Galectin-3 (rhGalectin-3; aa 2 - 250; Accession # P17931). The IgG fraction of the tissue culture supernatant was purified by Protein G affinity chromatography.

### Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

### Reconstitution

Reconstitute with sterile PBS. If 1.0 mL of PBS is used, the antibody concentration will be 500 µg/mL.

### Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

### Specificity

This antibody detects rhGalectin-3 in direct ELISAs.

### Application

**ELISA capture** - This product can be used as a capture reagent in a human Galectin-3 sandwich immunoassay in combination with biotinylated human Galectin-3 detection antibody (Cat. # BAF1154) and recombinant human Galectin-3 (Cat. # 1154-GA) as the standard. The suggested coating concentration range is 2 - 8 µg/mL and should be titrated to determine the optimal concentration. A general protocol is provided at [www.RnDSystems.com/MAPELISA](http://www.RnDSystems.com/MAPELISA). In this format, approximately 25% cross-reactivity was observed with rmGalectin-3 and no cross-reactivity was observed with rhGalectin-1, 2, 4, 7, 8, or 10.

**Optimal dilutions should be determined by each laboratory for each application.**

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