



ORDERING INFORMATION

Catalog Number: AF1227

Lot Number: IHA01

Size: 100 µg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human Galectin-4

Immunogen: *E. coli*-derived rhGalectin-4

Ig Type: goat IgG

Applications: Direct ELISA
Western blot
Immunohistochemistry

Anti-human Galectin-4 Antibody

Preparation

Produced in goats immunized with purified, *E. coli*-derived, recombinant human Galectin-4 (rhGalectin-4). Human Galectin-4 specific IgG was purified by human Galectin-4 affinity chromatography.

Formulation

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

Endotoxin Level

< 0.01 EU per 1 µg of the antibody as determined by the LAL method.

Reconstitution

Reconstitute with sterile PBS. If 0.5 mL of PBS is used, the antibody concentration will be 0.2 mg/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 has been selected for its ability to recognize human Galectin-4 in the applications listed below.

Applications

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human Galectin-4. The detection limit for rhGalectin-4 is approximately 0.7 ng/well. In this format, this antibody shows approximately 25% cross-reactivity with rmGalectin-4, 5% cross-reactivity with rhGalectin-2 and less than 1% cross-reactivity with rhGalectin-1, rhGalectin-3, rhGalectin-7 and rhGalectin-8.

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human Galectin-4. The detection limit for rhGalectin-4 is approximately 2 ng/lane under non-reducing and reducing conditions.

Immunohistochemistry - This antibody will detect Galectin-4 in cells and tissues. The working dilution is 2 - 5 µg/mL. For chromogenic detection of labeling, use R&D Systems' Cell and Tissue Staining Kits (CTS Series).

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