**Antibody to Galectin-1**

**Product Specifications**

**Cat. No.** VP-G801

**Description:**
Galectin-1 mouse monoclonal antibody

**Immunoglobulin class:** IgG1

**Clone:** 25C1

**Immunogen:** Recombinant protein representing the complete mature human galectin-1 molecule.

**Epitope:** Not determined

**Presentation:**
Lyophilized tissue culture supernatant containing 15mM sodium azide. Reconstitute with 1 ml of distilled water.

**Species cross-reactivity:** Human

**Storage Conditions:**
Keep unopened vial at 2 - 8 °C for 1 year. Once opened it is recommended that reconstituted stock solution be aliquoted and quick frozen and stored at -20 °C. Do not repeatedly freeze/thaw.

**Applications:**

**Immunohistochemistry**
- Paraffin sections: Antigen unmasking recommended.
- Frozen sections: Not tested.
- Working Dilution*: 1:100 - 1:200 for 1 hr at 25°C.
- Positive Control: Prostate, stromal areas and fibroblasts. Cytoplasmic and/or nuclear staining pattern.

**Western blotting:**
- Working Dilution*: 1:100 - 1:250
- Positive Control: PC3 cells

* Recommended dilutions using VECTASTAIN® Elite® ABC Kits.

**Functional Aspects:**
Galectin-1 is a laminin binding protein and can affect the proliferation of normal and malignant cells. It has been implicated in cancer progression and shown to be present in thyroid and colon carcinomas and upregulated in certain prostate associated tissues during prostate tumor development. This antibody will help detect galectin-1 and determine expression in a variety of tissues.

**Selected References**

VP-G801 is recommended FOR PROFESSIONAL AND RESEARCH USE ONLY.

Vector Laboratories, Inc., 30 Ingold Road, Burlingame, CA 94010 U.S.A.
Tel: (650)697-3600 · Fax: (650)697-0339 · Email: vector@vectorlabs.com · Web site: www.vectorlabs.com