

## 10-7618: Monoclonal Antibody to Galectin-1 (Clone: ABM5B54)

|                                |                                                                                                                                                                                                                                  |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Clonality :</b>             | Monoclonal                                                                                                                                                                                                                       |
| <b>Clone Name :</b>            | ABM5B54                                                                                                                                                                                                                          |
| <b>Application :</b>           | IHC,FACS,WB                                                                                                                                                                                                                      |
| <b>Reactivity :</b>            | Mouse,Human                                                                                                                                                                                                                      |
| <b>Gene :</b>                  | LGALS1                                                                                                                                                                                                                           |
| <b>Gene ID :</b>               | 3956                                                                                                                                                                                                                             |
| <b>Uniprot ID :</b>            | P09382                                                                                                                                                                                                                           |
| <b>Format :</b>                | Purified                                                                                                                                                                                                                         |
| <b>Alternative Name :</b>      | 14 kDa laminin-binding protein, 14 kDa lectin, Beta-galactoside-binding lectin L-14-1, Galaptin, HBL, HPL, Lactose-binding lectin 1, Lectin galactoside-binding soluble 1, Putative MAPK-activating protein PM12, S-Lac lectin 1 |
| <b>Isotype :</b>               | Mouse IgG2b, Kappa                                                                                                                                                                                                               |
| <b>Immunogen Information :</b> | Full length recombinant Galectin-1 protein was used as the immunogen for this antibody.                                                                                                                                          |

### Product Info

|                            |                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Amount :</b>            | 25 µg / 100 µg                                                                                                               |
| <b>Purification :</b>      | Protein G Chromatography                                                                                                     |
| <b>Content :</b>           | 25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.               |
| <b>Storage condition :</b> | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles |

### Application Note

Western blot analysis: 2-4 µg/ml, FACS analysis-0.5-1 µg/10<sup>6</sup> Cells, Immunohistochemical analysis-2-4 µg/ml

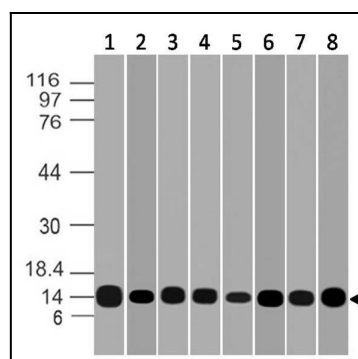


Figure:1- Western blot analysis of Galectin-1. Anti-Galectin-1 antibody (Clone: ABM5B54) was tested at 0.01 µg/ml on (1) Recombinant protein and 2 µg/ml on (2) HeLa, (3) 3T3, (4) PC3, (5) 293, (6) THP1, (7) K562 and (8) HCT-116 lysates.

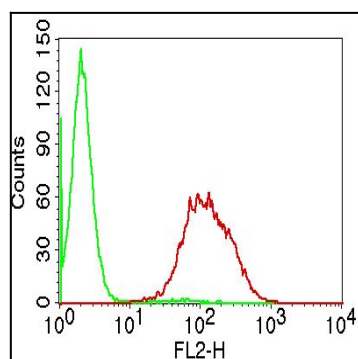


Figure:2- Intracellular flow analysis of Galectin-1 in U87 cell line using 0.5  $\mu\text{g}/10^6$  cells of Galectin-1 antibody (Clone: ABM5B54). Green represents isotype control; red represents anti-Galectin-1 antibody (10-7618). Goat anti-mouse PE conjugate was used as secondary antibody.

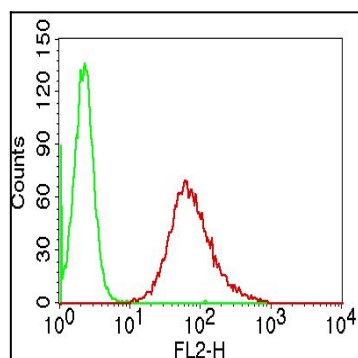


Figure:3- Intracellular flow analysis of Galectin-1 in A431 cell line using 0.5  $\mu\text{g}/10^6$  cells of Galectin-1 antibody (Clone: ABM5B54). Green represents isotype control; red represents anti-Galectin-1 antibody (10-7618). Goat anti-mouse PE conjugate was used as secondary antibody.

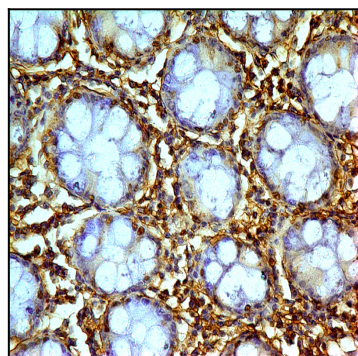


Figure:4-Immunohistochemical analysis of Galectin-1. Anti-Galectin-1 (Clone: ABM5B54) was used in Colon Carcinoma tissue at 2  $\mu\text{g}/\text{ml}$ .