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30-2738: Anti-Galectin-3 Purified (Clone M3/38)

Clonality :	Monoclonal
Clone Name :	M3/38
Application :	IP,ICC,IHC,FACS,WB
Reactivity :	Mouse,Human
Gene :	Lgals3
Gene ID :	16854
Uniprot ID :	P16110
Format :	Purified
Alternative Name :	lectin, galactose binding, soluble 3 Mac-2, GBP, Gal-3, L-34
Immunogen Information :	murine galectin-3

Description

Galectin-3 is a galactose-binding lectin, which modulates intercellular interactions and interactions of the cell with ECM, as well as it is a nuclear protein and a component of inner mitochondrial membrane. Galectin-3 binds IgE, and takes part in formation of immunological synapse. It is detected cytoplasmatically in adenomas and carcinomas by immunohistochemistry. It is expressed in colonic and intestinal epithelium, papillary and follicular carcinomas, neoplastic astrocytes, inflammatory macrophages, and some lymphocytes. Upregulation of galectin-3 is involved in cancer progression and metastasis.
Specificity :The rat monoclonal antibody M3/38 recognizes an epitope within amino acids 40-100 in N-terminal domain of murine galectin 3, a 35 kDa lectin expressed both intracellularly, and after its secretion also on the cell surface.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-G affinity chromatography.
Content :	Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C.

Application Note

Flow cytometry: Recommended dilution: 2-6 µg/ml. Extracellular and intracellular staining.

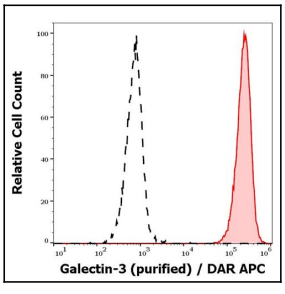

Figure 1: Separation of SK-MEL-30 cells stained using anti-Galectin-3 purified antibody from SK-MEL-30 cells unstained by primary antibody (DAR APC, black-dashed) in flow cytometry analysis (surface staining) of SK-MEL-30 cell suspension.