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30-2698: Anti-Hu Galectin-9 Purified (clone:9M1-3)

Clonality :	Monoclonal
Clone Name :	9M1-3
Application :	IHC
Reactivity :	Human,Non-Human Primates
Conjugate :	Unconjugated
Gene :	LGALS9
Gene ID :	3965
Uniprot ID :	O00182
Format :	Purified
Alternative Name :	HUAT, LGalS9A, LEG9
Isotype :	Mouse IgG1 kappa
Immunogen Information :	recombinant M-type splicing variant of human galectin 9

Description

Galectin-9 is a glycan-binding protein, which is expressed in three main isoforms of 49 aa, 27 aa, and 15 aa. It can be detected on the cell surface, as well as intracellularly, or in a secreted form. On the cell surface, galectin-9 plays roles in contacts with other cells and with extracellular matrix. It is expressed on multiple cell types, but mainly on Treg cells, activated Th cells and some cancers. Its secreted form acts like a cytokine with immunomodulatory and immunosuppresive functions. Massive and inadequate production of galectin-9, associated with some viral infections or cancers, can counteract immune reactions to these illnesses. High levels of galectin-9 expression lead to poor prognosis of cancer patients. Galectin-9 is a glycan-binding protein, which is expressed in three main isoforms of 49 aa, 27 aa, and 15 aa. It can be detected on the cell surface, as well as intracellularly, or in a secreted form. On the cell surface, galectin-9 plays roles in contacts with other cells and with extracellular matrix. It is expressed on multiple cell types, but mainly on Treg cells, activated Th cells and some cancers. Its secreted form acts like a cytokine with immunomodulatory and immunosuppresive functions. Massive and inadequate production of galectin-9, associated with some viral infections or cancers, can counteract immune reactions to these illnesses. High levels of galectin-9 expression lead to poor prognosis of cancer patients.

Specificity : The mouse monoclonal antibody 9M1-3 recognizes an epitope within C terminus of human galectin-9, a glycan-binding protein expressed mainly on activated Th cells and FoxP3+ Treg cells.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography.
Content :	1 mg/ml. Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze. Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide.

Application Note

Flow cytometry: Recommended dilution: 1-4 µg/ml. Intracellular staining.

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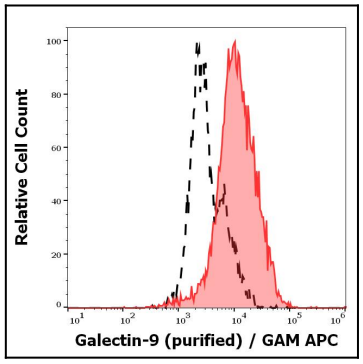


Figure 1 : Separation of Jurkat cells stained using anti-Galectin-9 (9M1-3) purified antibody (concentration in sample 0,6 Î¼g/ml, GAM APC, red-filled) from Jurkat cells unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (intracellular staining).

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