

Rat Anti-Lgals9 Monoclonal Antibody

Cat. No. DMABT-H18389 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rat Anti-Lgals9 Monoclonal Antibody
Species	Mouse
Source	Rat
Antigen Description	Galectin-9 is a mammalian lectin with a molecular weight of 40 kD that has two conserved carbohydrate recognition domains (CRDs) and forms homodimers. It recognizes N-acetyllactosamine (Galbeta1-4GlcNAc) and T-antigen (Galbeta1-3GalNAc); Tim-3 has been reported as its ligand. Galectin-9 is expressed by lymphocytes, dendritic cells, granulocytes, eosinophils, astrocytes, endothelial cells, fibroblasts and thymus epithelial cells. It may be retained intracellularly or be transported to the cell surface where it is cleaved, thereby generating a soluble form. Galectin-9 is involved in events such as cell aggregation, cell adhesion, chemotaxis and apoptosis. Importantly for the regulation of the immune response, Galectin-9 induces regulatory T cells and suppresses Th1 and Th17 responses.
Target	Lgals9
Immunogen	Full length recombinant mouse Galectin-9 (M-type)
Isotype	IgG2a, kappa
species	Mouse

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Conjugation	PE
Applications	Flow Cyt
Preparation	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.
Usage recommendation	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 1.0 μg per million cells in 100 μl volume. It is recommended that the reagent be titrated for optimal performance for each application.
Concentration	0.2 mg/ml
Storage	The antibody solution should be stored undiluted at 4 °C and protected from prolonged exposure to light. Do not freeze.
Size	50 μg ; 200 μg

GENE INFORMATION

Gene Name	Lgals9 lectin, galactose binding, soluble 9 [Mus musculus]
Official Symbol	Lgals9
Synonyms	LGALS9; lectin, galactose binding, soluble 9; galectin-9; lectin, galactose binding, soluble 5; gal-9; Lgals5; LGALS35; AA407335; AI194909; AI265545;
Gene ID	16859

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mRNA Refseq	NM_001159301
Protein Refseq	NP_001152773
Function	galactoside binding; signal transducer activity; sugar binding;

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