

## Rat Anti-Lgals9 Monoclonal Antibody

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

### SPECIFICATION

<b>Product Overview</b>	Rat Anti-Lgals9 Monoclonal Antibody
<b>Species</b>	Mouse
<b>Source</b>	Rat
<b>Antigen Description</b>	<p>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.</p>
<b>Target</b>	Lgals9
<b>Immunogen</b>	Full length recombinant mouse Galectin-9 (M-type)
<b>Isotype</b>	IgG2a, kappa
<b>species</b>	Mouse

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<b>Conjugation</b>	PE
<b>Applications</b>	Flow Cyt
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.
<b>Usage recommendation</b>	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 $\leq 1.0 \mu\text{g}$ per million cells in 100 $\mu\text{l}$ volume. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Concentration</b>	0.2 mg/ml
<b>Storage</b>	The antibody solution should be stored undiluted at 4 °C and protected from prolonged exposure to light. Do not freeze.
<b>Size</b>	50 $\mu\text{g}$ ; 200 $\mu\text{g}$

## GENE INFORMATION

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

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<b>mRNA Refseq</b>	NM_001159301
<b>Protein Refseq</b>	NP_001152773
<b>Function</b>	galactoside binding; signal transducer activity; sugar binding;

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