



# Mouse Anti-Mouse LGALS9 Chimeric Monoclonal Antibody, clone RG9-35 [Functional Grade] (CABT-Z491M)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	This chimeric mouse antibody was made using the variable domain sequences of the original Rat IgG2a format.
<b>Immunogen</b>	Recombinant mouse galectin-9.
<b>Isotype</b>	IgG2a, κ
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	RG9-35
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Functional Grade
<b>Applications</b>	BL, FC, FA
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	1 mg
<b>Buffer</b>	PBS only. Endotoxin Level<0.5 EU/mg by the LAL method.
<b>Preservative</b>	None

<b>Storage</b>	Store at -20°C long term. Avoid freeze / thaw cycle. To ensure optimal storage and prevent microbial contamination, only open and dispense under sterile conditions.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	Galectin-9, a 40 kDa S-type lectin that is expressed by various cell types including lymphocytes, thymocytes, macrophages, dendritic cells, astrocytes, mast cells, eosinophils, fibroblasts, epithelial cells, and endothelial cells. Galectin-9 binds to $\beta$ -galactosides and can serve as a ligand for TIM-3 (CD366). The protein is implicated in both innate and adaptive immune responses specifically, induction of cytokine secretion by macrophages, bactericidal functions, promotion of dendritic cell maturation, regulatory T cell expansion, and negative regulation of Th1, Th17, NK, and cytotoxic T cells.
<b>Keywords</b>	LGALS9;lectin, galactoside-binding, soluble, 9;HUAT;LGALS9A;galectin-9;gal-9

## GENE INFORMATION

<b>Gene Name</b>	Lgals9
<b>Entrez Gene ID</b>	<a href="#">16859</a>
<b>UniProt ID</b>	<a href="#">O08573</a>