



Mouse Anti-Human Galectin-3 monoclonal antibody, clone 430DU5.6.3 (DCABY-1210)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the galectin family of carbohydrate binding proteins. Members of this protein family have an affinity for beta-galactosides. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. This protein can self-associate through the N-terminal domain allowing it to bind to multivalent saccharide ligands. This protein localizes to the extracellular matrix, the cytoplasm and the nucleus. This protein plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion and T-cell regulation. Alternate splicing results in multiple transcript variants.
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Specificity	No cross-reactivity with Galectin-1, Galectin-9, or Galectin-3-binding protein
Immunogen	Recombinant Galectin-3 antigen
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	430DU5.6.3
Purification	Purity ≥95%
Conjugate	Unconjugated
Applications	ELISA(Cap), ELISA(Det) We recommend the following for sandwich ELISA (Capture - Detection): DCABH-10117 - DCABY-1210; DCABY-1210 - DCABH-10117

Epitope	Located in the amino acid region A66 - T104
Molecular Weight	26152 Da
Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
Size	1 mg
Buffer	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
Preservative	0.095 % NaN ₃
Storage	Store at 2–8 °C
Ship	Blue ice

GENE INFORMATION

Gene Name	LGALS3 lectin, galactoside-binding, soluble, 3 [Homo sapiens (human)]
Official Symbol	LGALS3
Synonyms	Galectin-3; LGALS3; MAC2
Entrez Gene ID	3958
Protein Refseq	NP_001170859
UniProt ID	A0A024R693
Chromosome Location	14q22.3
Pathway	AGE/RAGE pathway; Advanced glycosylation endproduct receptor signaling; Hedgehog signaling events mediated by Gli proteins; Immune System; Innate Immune System; Spinal Cord Injury
Function	IgE binding; carbohydrate binding; chemoattractant activity; laminin binding; poly(A) RNA binding; protein binding