

Product datasheet for **DM3546P**

Galectin-3 Rat Monoclonal Antibody [Clone ID: 5L36]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5L36
Applications:	WB
Recommended Dilution:	Western Blot: 1/500-1/1000.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2
Clonality:	Monoclonal
Immunogen:	Purified Mouse Recombinant Galectin-3
Specificity:	This antibody detects Mouse Galectin-3. Other species not tested.
Formulation:	PBS State: Purified State: Lyophilized purified IgG fraction from Culture Supernatant
Reconstitution Method:	Restore with 200 µl sterile PBS and the final concentration is 500µg/ml.
Purification:	Protein A/G Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -70°C. Following reconstitution store the antibody (in aliquots) at -20°C for 6 month. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	P16110



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Background:

Galectins are a new family of animal lectins which appear to exhibit a variety of biological functions. Lectins, of either plant or animal origin, are carbohydrate binding proteins that interact with glycoprotein and glycolipids on the surface of animal cells. The Galectins are lectins that recognize and interact with beta-galactoside moieties.

Galectin 3 is one of the more extensively studied members of this family and is a 30 kDa protein. Due to a C-terminal carbohydrate binding site, Galectin 3 is capable of binding IgE and mammalian cell surfaces only when homodimerized or homooligomerized. Galectin 3 is normally distributed in epithelia of many organs, in various inflammatory cells, including macrophages, as well as dendritic cells and Kupffer cells. The expression of this lectin is up-regulated during inflammation, cell proliferation, cell differentiation and through trans-activation by viral proteins.

Synonyms:

Mac-2, Lgals3, GAL3, GALBP, CBP35, L-31