

Anti-Galectin-3/LGALS3 Antibody (5L119)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5L119
Purification:	Protein A

Applications

	<p>1. Galectin3 was immunoprecipitated using:</p> <ul style="list-style-type: none">-Lane A:0.5 mg MCF-7 Whole Cell Lysate.-4 μL anti-Galectin3 mouse monoclonal antibody and 15 μL of 50 % Protein G agarose.-Primary antibody:-Anti-Galectin3 mouse monoclonal antibody, at 1:100 dilution.-Secondary antibody:-Dylight 800-labeled antibody to Mouse IgG (H+L), at 1:7500 dilution.-Developed using the odyssey technique.-Performed under reducing conditions.-Predicted band size: 30 kDa.-Observed band size: 30 kDa.
Verified Activity:	<p>2. Anti-Galectin3 mouse monoclonal antibody at 1:500 dilution.</p> <ul style="list-style-type: none">-Lane A: Hela Whole Cell Lysate.-Lane B: SW480 Whole Cell Lysate.-Lane C: A431 Whole Cell Lysate.-Lane D: MCF7 Whole Cell lysate.-Lysates/proteins at 30 μg per lane.-Secondary-Goat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution.-Developed using the Odyssey technique.-Performed under reducing conditions.-Predicted band size:28 kDa.-Observed band size:31 kDa
Application:	ELISA,IP,WB
Recommended	WB: 1:500-1:2000; ELISA: 1:1000-1:2000; IP: 1-4 μ L/mg of lysate

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human Galectin-3 / LGALS3 protein

Antigen Species: Human

Research Background

LGALS3 (Galectin 3) is a Protein Coding gene. This gene encodes a member of the galectin family of carbohydrate-binding proteins. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. LGALS3 is a beta-galactoside-binding lectin and plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion, and T-cell regulation. LGALS3 has an important role in tumor progression through inhibition of apoptosis. LGALS3 expression is associated with neoplastic transformation and with differentiation of monocytes to macrophages. Elevated expression of LGALS3 has been demonstrated in the synovium of rheumatoid arthritis (RA). Diseases associated with LGALS3 include Follicular Adenoma and Papillary Carcinoma.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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