Data Sheet (Cat.No.TMAB-06300)

Anti-Galectin 9 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Rat,Pig,Cow)
Molecular Weight:	Theoretical: 35-39 kDa. Actual: 37 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Blank control: Molt4. Primary Antibody (green line): Rabbit Anti-Galectin 9 antibody (TMAB-06300) Dilution: 1 µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-AF647 Dilution: 1 µg /test. Protocol The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at-20℃. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed. 2. Sample: NIH/3T3 Cell Lysate at 30 µg Primary: Anti-Galectin 9 (TMAB-06300) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 35-39 kD Observed band size: 35 kD 3. Sample: Liver (Mouse) Lysate at 40 µg Primary: Anti-Galectin 9 (TMAB-06300) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 35-39 kD Observed band size: 39 kD
Application:	WB,FCM
Recommended	WB: 1:500-2000; FCM: 1µg/Test

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.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: mouse Galectin
Antigen Species:	Mouse
Gene ID:	16859
Uniprot ID:	O08573

Research Background

Binds galactosides. May play a role in thymocyte-epithelial interactions relevant to the biology of the thymus. Is a ligand for HAVCR2/TIM3. Induces T-helper type 1 lymphocyte (Th1) death (By similarity). May provide the molecular basis for urate flux across cell membranes, allowing urate that is formed during purine metabolism to efflux from cells and serving as an electrogenic transporter that plays an important role in renal and gastrointestinal urate excretion. Highly selective to the anion urate.

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