

Human Galectin-14 Antibody

Monoclonal Mouse IgG_{2B} Clone # 511124 Catalog Number: MAB5744

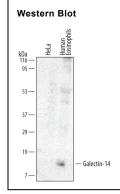
DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human Galectin-14 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human Galectin 3, -4, -7, -8, -10, or recombinant mouse Galectin-9 is observed.	
Source	Monoclonal Mouse IgG _{2B} Clone # 511124	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	E. coli-derived recombinant human Galectin-14 Met1-Asp139 Accession # Q8TCE9	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	2 μg/mL	See Below





Detection of Human Galectin-14 by Western Blot. Western blot shows lysates of human eosinophil. PVDF membrane was probed with 2 µg/mL of Mouse Anti-Human Galectin-14 Monoclonal Antibody (Catalog # MAB5744) followed by HRPconjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for Galectin-14 at approximately 10 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.		
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C		
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.		
	 12 months from date of receipt, -20 to -70 °C as supplied. 		
	 1 month, 2 to 8 °C under sterile conditions after reconstitution. 		

- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Galectin-14, also known as placental protein 13-like (PPL13), belongs the galectin family of carbohydrate binding proteins. It is expressed intracellularly in placenta and eosinophils and is released by eosinophils following allergen stimulation. Galectin-14 may be involved in the development of allergic inflammation.

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