

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Galectin-10 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Galectin-10 Ser2-Arg142 Accession # Q05315
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

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.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Intracellular Staining by Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Galectin-10 (also eosinophil lysophospholipase and Charcot-Leyden Crystal protein) is a 16 kDa member of the lectin family of proteins. It is expressed intracellularly by eosinophils, basophils and CD25⁺ Treg cells. Although originally believed to possess lysophospholipase activity, this has been shown to be incorrect. It is known to bind lysophospholipase and its inhibitors and to bind mannose in a very unusual manner. Human Galectin-10 is 142 amino acids (aa) in length. There is one Galectin domain (aa 6-138) that contains two dimerization motifs (aa 6-10 and 131-135). Two molecular weight isoforms of 15 and 14 kDa have been described that are not yet characterized. There is no known structural rodent counterpart to human Galectin-10.

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