10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Galectin 10 Rabbit pAb

Catalog # AP97510

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q05315
Other Accession	Q05315
Reactivity	Rat, Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	16453
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Galectin 10
Epitope Specificity	51-142/142
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 galectin domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Charcot-Leyden crystals are endogenous hexagonal bipyramidal crystals present in human tissues and secretions. Presence of Charcot-Leyden crystals correlates with the increased numbers of peripheral blood or tissue eosinophils that occurs with parasitic and allergic processes. Galectin-10, also referred to as Charcot-Leyden crystal (CLC) protein, singularly makes up these crystals. Galectin-10, a member of the galectin family of beta-Galactoside binding proteins that bind to S-type animal lectins, is expressed solely in eosinophilic and basophilic leukocytes. Galectin-10 may possess carbohydrate or IgE-binding activities, and it plays a functional role in the biology of inflammation. Expression of galectin-10 is transcriptionally induced by butyric acid.

Additional Information

Gene ID	1178
Other Names	LEG10_HUMAN; CLC; Gal-10; Charcot-Leyden crystal protein (CLC); Eosinophil lysophospholipase; Lysolecithin acylhydrolase; LGALS10; LGALS10A; Charcot-Leyden crystal galectin; Charcot-Leyden crystal protein; galectin 10; lectin, galactoside-binding, soluble, 10
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CLC
Synonyms	LGALS10, LGALS10A
Function	Regulates immune responses through the recognition of cell- surface glycans. Essential for the anergy and suppressive function of CD25-positive regulatory T-cells (Treg).
Cellular Location	Cytoplasm, cytosol. Cytoplasmic granule. Note=Localized in granules from where it may be secreted or transported to other locations in the cell
Tissue Location	Expressed abundantly in the bone marrow. Expressed exclusively by eosinophils and basophils. Not detected in monocytes and neutrophils. Expressed in CD25-positive regulatory T-cells (Treg) (at protein level). Found in intestinal tissue from patients with Celiac disease, expression is directly related to the histological grade of mucosal damage and to the number of eosinophils found in the duodenal lesion (at protein level). Found in sputum of patients with eosinophilic inflammatory diseases such as asthma (at protein level)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.