Datasheet for ABIN7540454

anti-Galectin 9 antibody (PE)

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Overview

Quantity:	100 tests
Target:	Galectin 9 (LGALS9)
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Galectin 9 antibody is conjugated to PE
Application:	Flow Cytometry (FACS), Intracellular Flow Cytometry (ICFC)

Product Details

Purpose:	Anti-Hu Galectin-9 PE
Immunogen:	recombinant M-type splicing variant of human galectin 9
Clone:	9M1-3
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody 9M1-3 recognizes an epitope within C terminus of human galectin-9, a glycan-binding protein expressed mainly on activated Th cells and FoxP3+ Treg cells.
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	Galectin 9 (LGALS9)

Target Details

Alternative Name:	Galectin-9 (LGALS9 Products)
Background:	NCBI Full Gene Name: galectin 9 Description: Galectin-9 is a glycan-binding protein, which is expressed in three main isoforms of 49 aa, 27 aa, and 15 aa. It can be detected on the cell surface, as well as intracellularly, or in a secreted form. On the cell surface, galectin-9 plays roles in contacts with other cells and with extracellular matrix. It is expressed on multiple cell types, but mainly on Treg cells, activated Th cells and some cancers. Its secreted form acts like a cytokine with immunomodulatory and immunosuppresive functions. Massive and inadequate production of galectin-9, associated with some viral infections or cancers, can counteract immune reactions to these illnesses. High levels of galectin-9 expression lead to poor prognosis of cancer patients. Other names: HUAT, LGalS9A, LEG9 Gene name: LGALS9
Gene ID:	3965
UniProt:	O00182

Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests. Intracellular staining.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.