Datasheet for ABIN7278364

anti-LRRC32 antibody (PE)

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Overview

Quantity:	100 tests
Target:	LRRC32
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LRRC32 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Clone:	GARP5
Isotype:	IgG1
Purification:	This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

Target Details

Target:	LRRC32
Alternative Name:	GARP (LRRC32 Products)
Background:	The GARP5 antibody reacts with human GARP, also known as LRRC32 or Garpin, an 80 kDa transmembrane protein which acts as a receptor for the latent form of TGF-beta 1 (pro-TGF-

Target Details

	beta), preventing its secretion. Specifically, GARP is reported to associate with the pro-domain of TGF-beta 1, known as latency-associated peptide (LAP), which must be cleaved to release the biologically active cyto- kine. The putative role of GARP in sequestering the TGF-beta is important for regulating its activity, as TGF-beta signaling is involved in development and function of Th17, Treg and many other immune cell types. GARP expression has been shown on platelets and at high levels on Foxp3+ Treg cells, where it is proposed to be a phenotypic identifier for activated human Treg cells. The GARP5 antibody may be used for analysis of human GARP by flow cytometry, immunoprecipitation and Western blotting. Please choose the appropriate format for each application.
Gene ID:	2615
Pathways:	Activated T Cell Proliferation

Application Details

Application Notes:	This antibody preparation has been pre-titrated and quality-tested for flow cytometry using an appropriate cell type. The antibody has been diluted for use at 5 µLper test, defined as the amount of antibody that will stain a cell sample in a final volume of approximately 100 uL. The number of cells within a sample should be determined empirically, but typically ranges between 1x10e5 to 1x10e8 cells.
Comment:	5 uL (0.5 ug)/test
Restrictions:	For Research Use only

Handling

Buffer:	10 mM NaH2PO4, 150 mM NaCl, 0.09 % Sodium azide, 0.1 % gelatin, pH 7.2
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:	2-8°C protected from light
Expiry Date:	12 months