

Product datasheet

PE Anti-P Glycoprotein antibody [UIC2] ab269309

[1 Image](#)

Overview

Product name	PE Anti-P Glycoprotein antibody [UIC2]
Description	PE Mouse monoclonal [UIC2] to P Glycoprotein
Host species	Mouse
Conjugation	PE. Ex: 488nm, Em: 575nm
Specificity	ab269309 recognizes an extracellular epitope on P-Glycoprotein.
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human Does not react with: Mouse, Rat
Immunogen	Tissue, cells or virus. NIH 3T3 cells transfected with human P Glycoprotein cDNA.
Positive control	Flow cyt: HepG2 cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	pH: 7.4 Preservative: 0.1% Sodium azide Constituent: PBS
Purity	Size exclusion
Purification notes	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Clonality	Monoclonal
Clone number	UIC2

Isotype	IgG2a
Light chain type	kappa

Applications

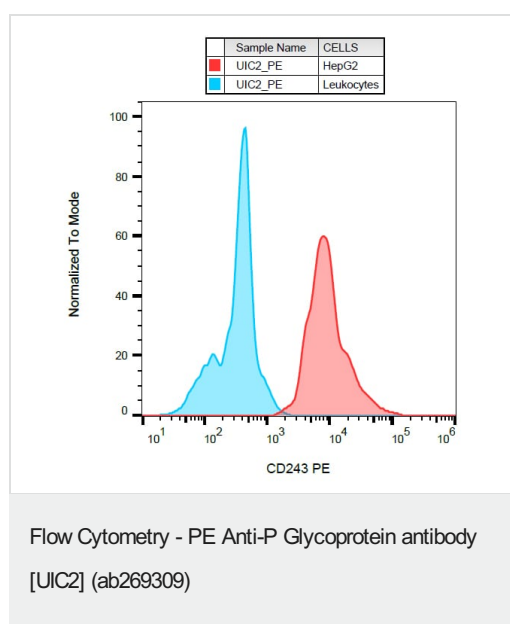
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab269309 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 10µl for 10 ⁶ cells. Or 100 µL of whole blood.

Target

Function	Energy-dependent efflux pump responsible for decreased drug accumulation in multidrug-resistant cells.
Tissue specificity	Expressed in liver, kidney, small intestine and brain.
Involvement in disease	Genetic variations in ABCB1 are associated with susceptibility to inflammatory bowel disease type 13 (IBD13) [MIM:612244]. Inflammatory bowel disease is characterized by a chronic relapsing intestinal inflammation. It is subdivided into Crohn disease and ulcerative colitis phenotypes. Crohn disease may involve any part of the gastrointestinal tract, but most frequently the terminal ileum and colon. Bowel inflammation is transmural and discontinuous; it may contain granulomas or be associated with intestinal or perianal fistulas. In contrast, in ulcerative colitis, the inflammation is continuous and limited to rectal and colonic mucosal layers; fistulas and granulomas are not observed. Both diseases include extraintestinal inflammation of the skin, eyes, or joints. Crohn disease and ulcerative colitis are commonly classified as autoimmune diseases.
Sequence similarities	Belongs to the ABC transporter superfamily. ABCB family. Multidrug resistance exporter (TC 3.A.1.201) subfamily. Contains 2 ABC transmembrane type-1 domains. Contains 2 ABC transporter domains.
Cellular localization	Membrane.

Images



Flow cytometry analysis (surface staining) of HepG2 cells labeling CD243 with ab269309.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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