

Product datasheet

PE Anti-CD84 antibody [CD84.1.21] ab33218

1 Image

Overview

Product name	PE Anti-CD84 antibody [CD84.1.21]
Description	PE Mouse monoclonal [CD84.1.21] to CD84
Host species	Mouse
Conjugation	PE. Ex: 488nm, Em: 575nm
Specificity	Recognizes CD84 cell surface antigen, a highly glycosylated cell surface antigen of 64-82kD.
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to CD84. Mouse pre-B cell line 300.19 transfected with Human CD84 cDNA.
Positive control	Peripheral blood monocytes
General notes	Purified IgG conjugated to R. Phycoerythrin (RPE).

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.

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.40 Preservative: 0.09% Sodium azide Constituents: PBS, 1% BSA
Purity	Protein G purified
Purification notes	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Clonality	Monoclonal
Clone number	CD84.1.21

Myeloma	NS1
Isotype	IgG1

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab33218 in the following tested applications.

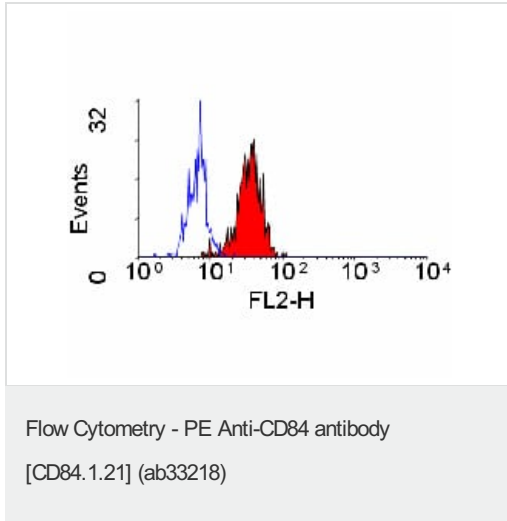
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 10µl for 10 ⁶ cells. or 100µl whole blood.

Target

Function	Plays a role as adhesion receptor functioning by homophilic interactions and by clustering. Recruits SH2 domain-containing proteins SH2D1A/SAP. Increases proliferative responses of activated T-cells and SH2D1A/SAP does not seem to be required for this process. Homophilic interactions enhance interferon gamma/IFNG secretion in lymphocytes and induce platelet stimulation via a SH2D1A/SAP-dependent pathway. May serve as a marker for hematopoietic progenitor cells.
Tissue specificity	Predominantly expressed in hematopoietic tissues, such as lymph node, spleen and peripheral leukocytes. Expressed in macrophages, B-cells, monocytes, platelets, thymocytes, T-cells and dendritic cells. Highly expressed in memory T-cells.
Sequence similarities	Contains 1 Ig-like C2-type (immunoglobulin-like) domain.
Developmental stage	Expression is slightly increased in naive B-cells after the first division. By contrast, expression on memory B-cells decreased with each successive division.
Domain	ITSM (immunoreceptor tyrosine-based switch motif) motif is a cytoplasmic motif which may bind SH2D1A.
Post-translational modifications	Phosphorylated by tyrosine-protein kinase LCK on tyrosine residues following ligation induced by agonist monoclonal antibody. The association with SH2D1A/SAP is dependent of tyrosines phosphorylation of its cytoplasmic domain Phosphorylated on Tyr-296 and Tyr-316 following platelet aggregation. N-glycosylated.
Cellular localization	Cell membrane.

Images



Staining of human peripheral blood monocytes with RPE-conjugated anti-CD84 (ab33218)

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

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