



Anti-CD69 monoclonal antibody, clone FN50 [R-PE/Cy5®] (CABT-46633MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Mouse anti Human CD69 antibody, clone FN50 recognizes the human early activation antigen CD69, also known as activation inducer molecule (AIM), Early T-cell activation antigen p60, EA1 or MLR-3. CD69 is a 199 amino acid single pass type II transmembrane glycoprotein of ~30kDa containing a single C-type lectin domain and a single potential N-glycosylation site. CD69 is expressed as a disulphide bond linked homodimer of ~60kDa. CD69 is a marker of early activation expressed by B and T lymphocytes, natural killer cells, neutrophils, thymocytes and platelets. Expression of CD69 is rapidly induced on activation by infection or chronic inflammation. Multiple dimeric glycoforms of CD69 can be formed through differential glycosylation of the monomeric subunits. Mouse anti Human CD69 , clone FN50 is useful for the detection of CD69 by flow cytometry and immunohistochemistry on frozen tissue sections. Flow Cytometry Use 5ul of the suggested working dilution to label 106 cells or 100ul whole blood.

Specificity	CD69
Immunogen	Activated human B-cells.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Baboon, Chimpanzee, Cynomolgus monkey, Macaque monkey, Rhesus monkey
Clone	FN50
Conjugate	PE/Cy5
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin - Cy5 (RPE-Cy5) - liquid

Size	2 ml
Preservative	0.09% Sodium Azide
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CD69 CD69 molecule [Homo sapiens (human)]
Official Symbol	CD69
Synonyms	CD69; CD69 molecule; AIM; EA1; MLR-3; CLEC2C; GP32/28; BL-AC/P26; early activation antigen CD69; leukocyte surface antigen Leu-23; early T-cell activation antigen p60; early lymphocyte activation antigen; activation inducer molecule (AIM/CD69); C-type lec
Entrez Gene ID	969
Protein Refseq	NP_001772
UniProt ID	Q07108
Chromosome Location	12p13
Function	calcium ion binding; carbohydrate binding; transmembrane signaling receptor activity;