

**Anti-Human CD69 Antibody,
Clone FN50, PerCP-Cyanine5.5**



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Antibodies

Mouse monoclonal IgG1 antibody against
human CD69, PerCP-Cyanine5.5-conjugated

Catalog #100-1348

100 Tests

5µL/test

Product Description

This mouse monoclonal antibody (clone FN50, PerCP-Cyanine5.5 conjugated) reacts with human CD69, a gp28/34 disulfide-bonded homodimer with a molecular weight of 60 kDa under non-reducing conditions. CD69 is a type II transmembrane protein that is constitutively expressed by activated platelets. Studies show that CD69 crosslinking activates various events that lead to platelet activation and aggregation, such as calcium influx, degranulation, and arachidonate metabolism by cyclooxygenase. Upon activation of various lymphocytes, CD69 expression is induced in T cells, thymocytes, B cells, NK cells, neutrophils, and eosinophils, highlighting its role in lymphocyte signal transduction and activation. The protein also plays a role in signal transduction of natural killer cells and platelets. Diseases associated with CD69 dysfunction include coccidioidomycosis and asthma.

Target Antigen Name:	CD69
Alternative Names:	AIM, BL-AC/P26, CLEC2C, EA-1, VEA
Gene ID:	969
Species Reactivity:	Human
Host Species:	Mouse
Clonality:	Monoclonal
Clone:	FN50
Isotype:	IgG1, kappa
Immunogen:	Human B lymphocytes
Conjugate:	PerCP-Cyanine5.5 (Peridinin chlorophyll protein complex-Cyanine5.5)

Applications

Verified: FC

Abbreviations: CellSep: Cell separation; ChIP: Chromatin immunoprecipitation; FA: Functional assay; FACS: Fluorescence-activated cell sorting; FC: Flow cytometry; ICC: Immunocytochemistry; IF: Immunofluorescence microscopy; IHC: Immunohistochemistry; IHC-P: Immunohistochemistry (paraffin-embedded); IP: Immunoprecipitation; RIA: Radioimmunoassay; WB: Western blotting

Properties

Formulation:	Phosphate-buffered saline, pH 7.2, containing 0.09% sodium azide and 0.1% gelatin
Purification:	The antibody was purified by affinity chromatography.
Stability and Storage:	Product stable at 2 - 8°C when stored undiluted. Do not freeze. Protect product from prolonged exposure to light. Stable until expiry date (EXP) on label.
Directions for Use:	For flow cytometry, the suggested use of this antibody is 5 µL per 1 x 10 ⁶ cells in 100 µL. It is recommended that the antibody be titrated for optimal performance for each application.

Related Products

For a complete list of antibodies, including other conjugates, sizes, and clones, as well as related products available from STEMCELL Technologies, visit www.stemcell.com/antibodies, or contact us at techsupport@stemcell.com.

References

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