
Monoclonal Antibody To Human CD69

Marker For Early T-Cell Activation Antigen p60 (Leu-23)

Monoclonal antibody FN50 recognizes the CD69 antigen also known as early T-cell activation antigen p60 (Leu-23). CD69 is expressed during an early activation stage of lymphocytes and monocytes. It is also expressed on NK-cells and platelets.

Product Number:	T-1357 (Lot 01PO0703)
Clone:	FN50
Host species, isotype:	Mouse IgG1
Quantity:	100µg
Format:	Affinity purified, lyophilized Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.2mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA), and 0.09% sodium azide as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
Applications:	Tested for immunohistochemistry (IHC); has been described to work in FACS. Approximate working dilution for IHC: Frozen sections: 2 - 4µg/ml (1:50 - 1:100) Paraffin sections: does not react on routinely processed paraffin sections. Optimal dilutions should be determined by the end user. Suggested positive control: Human tonsil Please see www.bma.ch for protocols and general information.
Antigen, epitope:	The antigen is CD69. The epitope is a 53kD molecule. Under reducing conditions it showed two bands of 29 and 32 kD.

Antigen distribution:

Isolated cells: > 90% of activated human peripheral blood lymphocytes.

Tissue sections: In tonsil the antigen is strongly expressed on CD4⁺ T-cells in the light zone of the follicle centre, on extrafollicular T-cells, and weakly on mantle zone B-cells. In the spleen, the antigen is found on CD4⁺ T-cells in the middle of the marginal zone, while in thymus most of the medullary thymocytes are strongly positive.

Specificity:

Human: CD69

Other: not tested.

Selected references

Barclay, Brown et al., The Leukocyte Antigen FactsBook, 2nd edition, Harcourt Brace & Company, London, (1997)

Knapp, W. et al. (eds), Leukocyte typing IV., Oxford University Press, Oxford (1989)

For *in vitro* research only. Caution: this product contains sodium azide, a poisonous and hazardous substance.