



## CD69

**Product:** Anti-human activated T & B cells and macrophages activation-inducer molecule (AIM) monoclonal antibody.

**Description:** Anti human CD69 recognizes a very early activation antigen on T & B cells and macrophages. Also called AIM or activation inducer molecule, CD69 is a gp28/34 disulfide bonded homodimer with a Mr of 60 kDa under non-reducing conditions. CD69 contains one or two N linked oligosaccharide. The CD69 molecule is also present on activated platelets. In normal peripheral blood a variable percentage of cells express the CD69 antigen. It is involved in lymphocyte signal transduction.

**Isotype:** Mouse IgG1k

**Clone:** SMM

**Applications:** Monitoring of leukocyte sub-populations; Characterizations of activated sub-populations of leukocytes; Studies of HIV and related immunological disorders; Studies of transplantation immunology; Studies of multiple sclerosis and other autoimmune diseases.

**Use:** PBMC: 10  $\mu$ l of MAB/100  $\mu$ l containing  $10^6$  PBMC in PBS. Mix gently and incubate for 15 minutes at 2<sup>o</sup> to 8<sup>o</sup>C. Wash twice with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze.

WHOLE BLOOD: 10  $\mu$ l of MAB / 100  $\mu$ l of Whole Blood. Mix gently and incubate for 15 minutes at room temperature 20<sup>o</sup>C. Lyse Whole Blood and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze. See instrument manufacturer's instructions for Lysed Whole Blood and Immunofluorescence analysis with a flow cytometer or microscope.

**Storage:** Unconjugated antibodies supplied as a 1 mg/ml solution PBS and 0.08% sodium azide and should be stored at -20<sup>o</sup>C. Conjugated antibodies are supplied in PBS, 0.08% sodium azide and 0.2% protein carrier and should be stored at 4-8<sup>o</sup>C. Conjugated antibodies should not be frozen. Reagents are stable for the period shown on the vial label when stored properly.

Ordering Information:	Form	Vial Size	Catalog #
	Unconjugated	100 $\mu$ g	0691
	FITC	100 Test	0692
	PE	100 Test	0694

**For research use only. Not for use in human diagnostics or therapeutics.**