



# Anti Porcine CD69

## Background

CD69 is a type II membrane protein of the C-type lectin superfamily. CD69 is known to be an early activation molecule and its expression can be observed in activated B, T and natural killer (NK) cells, macrophages, monocytes and granulocytes. In T cells, expression of CD69 can be induced *in vitro* by 1 h stimulation with phorbol 12-myristate 13-acetate (PMA) or phyto-hemagglutinin (PHA), or 16 h stimulation with TNF- $\alpha$ .

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Product type	Primary Antibody
Immunogen	Synthetic peptide, consisting of 29 amino acids (residues 133–161) of porcine CD69
Raised in	Mouse
Clone number	01-22-44-102
Isotype	IgG2a, $\kappa$
Source	Ascetic fluid
Purification	Protein A purified
Buffer	PBS with 0.02% NaN <sub>3</sub> as preservative
Concentration	1 mg/mL
Volume	100 $\mu$ L
Label	Unlabeled
Specificity	Porcine CD69; confirmed with LWD or WLD (may not react to specific porcine strains)
Storage	Store at -70°C
Reference	-----

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Recommended Dilutions      Flow cytometry (1 : 5,000-30,000)

Other applications have not been tested or not reactive.  
Optimal dilutions/concentrations should be determined by the end user.

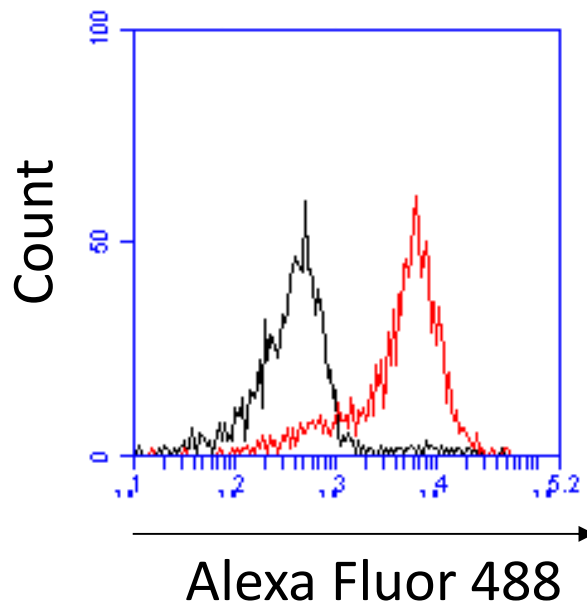


Fig 1. Flow cytometric analysis

Porcine peripheral lymphocytes were incubated with (red line) or without (black line) phorbol 12-myristate 13-acetate (PMA)/ionomycin for 6 h and stained with 01-22-44-102. The mAbs reacting with lymphocytes were detected with the secondary antibody (Alexa Fluor 488 conjugated goat anti-mouse IgG) and fluorescence was analyzed by flow cytometry.

For research use only, Not for diagnostic use.



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