

Rabbit anti-Mouse CD69 Polyclonal Antibody | anti-CD69 antibody

Anti-CD69 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA259135	Rabbit	Mouse	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

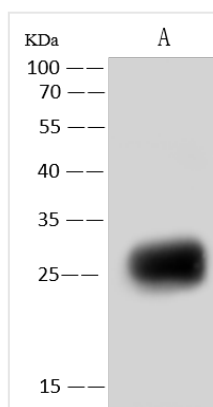
PRODUCT SYNONYMS

CD69; Polyclonal Antibody; Anti-CD69 Antibody; Rabbit Polyclonal; CD69 molecule; Anti-5830438K24Rik Antibody; Anti-AI452015 Antibody; Anti-AIM Antibody; Anti-VEA Antibody; anti-CD69 antibody

PRODUCT SPECIFICATIONS

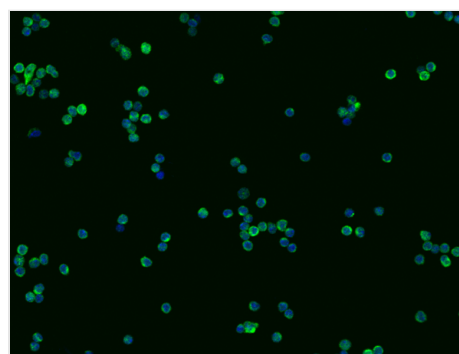
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse CD69
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CD69 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Mouse CD69 Protein
Preparation	Produced in rabbits immunized with purified, recombinant Mouse CD69 (rM CD69). CD69 specific IgG was purified by Mouse CD69 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-CD69 rabbit polyclonal antibody at 1:500 dilution Lane A: Mouse lung tissue lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 22 kDa Observed band size: 25 kDa



IF (Immunofluorescence)

Immunofluorescence staining of S3-mCD69-His in mouse splenocytes cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-mouse S3-mCD69-His polyclonal antibody (dilution ratio 1:100) at 4° overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.

ADDITIONAL INFORMATION

Related Product Information for anti-CD69 antibody	Early activation antigen CD69, also known as activation inducer molecule (AIM), is a single-pass type II membrane protein. Recently, cDNA clones encoding human and mouse CD69 were isolated and showed CD69 to be a member of the C-type lectin superfamily. It is one of the earliest cell surface antigens expressed by T cells following activation. Once expressed, CD69 acts as a costimulatory molecule for T cell activation and proliferation. In addition to mature T cells, CD69 is inducibly expressed by immature thymocytes, B cells, natural killer (NK) cells, monocytes, neutrophils and eosinophils, and is constitutively expressed by mature thymocytes and platelets. CD69 is involved in lymphocyte proliferation and functions as a signal transmitting receptor in lymphocytes, natural killer (NK) cells, and platelets. The structure, chromosomal localization, expression and function of CD69 suggest that it is likely a pleiotropic immune regulator, potentially important in the activation and differentiation of a wide variety of hematopoietic cells. This membrane molecule transiently expresses on activated lymphocytes, and its selective expression in inflammatory infiltrates suggests that it plays a role in the pathogenesis of inflammatory diseases. CD69 plays a crucial role in the pathogenesis of allergen-induced eosinophilic airway inflammation and hyperresponsiveness and that CD69 could be a possible therapeutic target for asthmatic patients.
References	Ziegler SF, et al. (1994) The activation antigen CD69. Stem Cells. 12(5): 456-65. Marzio R, et al. (1999) CD69 and regulation of the immune function. Immunopharmacol Immunotoxicol. 21(3): 565-82. Lamana A, et al. (2006) The role of CD69 in acute neutrophil-mediated inflammation. Eur J Immunol. 36(10): 2632-8. Miki-Hosokawa T, et al. (2009) CD69 controls the pathogenesis of allergic airway inflammation. J Immunol. 183(12): 8203-15.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cd69-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/259135>