



Rabbit Anti-Human CD69 monoclonal antibody, clone S117 (CABT-ZB458)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Specificity | It reacts with Human CD69 |
| Target | CD69 |
| Immunogen | Recombinant Human CD69/CLEC2C Protein |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human |
| Clone | S117 |
| Purification | Protein A purified |
| Conjugate | Unconjugated |
| Applications | ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB458 - CABT-ZB848 This antibody will detect CD69 in antibody pair set. [ABPR-ZB032] |
| Preparation | This antibody was obtained from a rabbit immunized with purified, recombinant Human CD69 / CLEC2C. |
| Format | Purified, Liquid |
| Concentration | Lot specific |
| Size | 50 µL, 100 µL, 1 mL |

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| Buffer | PBS |
| Preservative | None |
| Storage | This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles. |
| Ship | Wet ice |

BACKGROUND

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| Introduction | 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. |
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| Keywords | CD69; CD69 molecule; AIM; EA1 |
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GENE INFORMATION

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| Synonyms | CD69; CD69 molecule; AIM; EA1; MLR-3; CLEC2C; GP32/28; BL-AC/P26; early activation antigen CD69; leukocyte surface antigen Leu-23 |
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| Entrez Gene ID | 969 |
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| UniProt ID | Q07108 |
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