

Early activation antigen CD69 (CD69) Active Protein | CD69 active protein

Recombinant Human Early activation antigen CD69 (CD69), partial (Active)

CATALOG #
AAA279197

HOST
Mammalian Cell

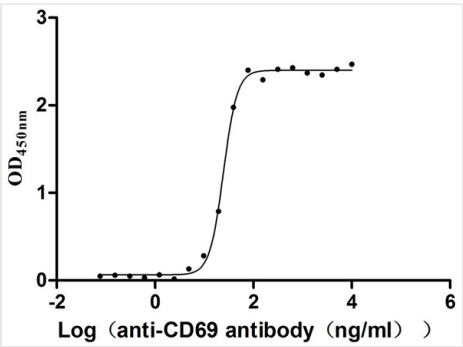
PRODUCT SYNONYMS

Early activation antigen CD69 (CD69); Recombinant Human Early activation antigen CD69 (CD69); partial (Active); Activation inducer molecule; BL-AC/P26; C-type lectin domain family 2 member C; EA1; Early T-cell activation antigen p60; CD69 active protein

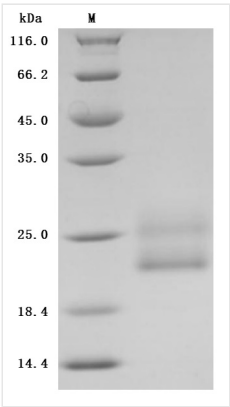
PRODUCT SPECIFICATIONS

Host	Mammalian Cell
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Sequence Positions	62-199aa; Extracellular Domain
Sequence	SVGQYNCPGQ YTFSMPSDSH VSSCEDWVG YQRKCYFIST VKRSWTS AQN ACSEHGATLA VIDSEKDMNF LKRYAGREEH WVGLKKEPGH PWKWSNGKEF NNWFNVTGSD KCVFLKNTEV SSMECEKNLY WICKNPYK\$
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Research Area	Cancer
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human CD69 at 2 ug/mL can bind Anti-CD69 recombinant antibody, the EC50 is 23.17-26.04 ng/mL.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

IMAGES



Bioactivity
Measured by its binding ability in a functional ELISA. Immobilized Human CD69 at 2?g/mL can bind Anti-CD69 recombinant antibody, the EC50 is 23.17-26.04 ng/mL.



SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

Related Product Information for CD69 active protein	May function as a signal transmitting receptor.
Product Categories/Family for CD69 active protein	Active Protein & In Stock Protein
References	"Crystal structure of human CD69: a C-type lectin-like activation marker of hematopoietic cells."Natarajan K., Sawicki M.W., Margulies D.H., Mariuzza R.A.Biochemistry 39:14779-14786(2000)

NCBI AND UNIPROT INFORMATION

NCBI GI #	584906
NCBI GeneID	969
UniProt Accession #	Q07108
Molecular Weight	22,559 Da
NCBI Official Full Name	Early activation antigen CD69
NCBI Official Synonym Full Names	CD69 molecule
NCBI Official Symbol	CD69
NCBI Official Synonym Symbols	AIM; EA1; MLR-3; CLEC2C; GP32/28; BL-AC/P26
NCBI Protein Information	early activation antigen CD69; leukocyte surface antigen Leu-23; early T-cell activation antigen p60; early lymphocyte activation antigen; activation inducer molecule (AIM/CD69); C-type lectin domain family 2, member C; CD69 antigen (p60, early T-cell act
UniProt Protein Name	Early activation antigen CD69
UniProt Gene Name	CD69
UniProt Synonym Gene Names	CLEC2C; AIM
UniProt Entry Name	CD69_HUMAN

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.