

# Recombinant Human CD69 molecule protein, His&Avi tagged, Biotinylated

Cat. No. CD69-2225HB Lot. No. (See product label)

## SPECIFICATION

|                          |   |
|--------------------------|---|
| <b>Product Overview</b>  | Biotinylated recombinant Human CD69 molecule protein (62-199 aa) with His&Avi tag was expressed in HEK293.  |
| <b>Species</b>           | Human   |
| <b>Source</b>            | HEK293  |
| <b>ProteinLength</b>     | 62-199 aa   |
| <b>Description</b>       | This gene encodes a member of the calcium dependent lectin superfamily of type II transmembrane receptors. Expression of the encoded protein is induced upon activation of T lymphocytes, and may play a role in proliferation. Furthermore, the protein may act to transmit signals in natural killer cells and platelets. |
| <b>Conjugation/Label</b> | Biotin  |
| <b>Form</b>              | Lyophilized   |
| <b>Molecular Mass</b>    | 18 kDa  |
| <b>AA Sequence</b>       | SVGQYNCPGQYTFSMPSDSHVSSCEDWVG YQRKCYFISTVKRSWTS AQNACSE<br>HGATLAVIDSEKDMNFKRYAGREEHWVGLKKEPGHPWKWSNGKEFNNWFNVTG<br>SDKCVFLKNTEVSSMECEKNLYWICNKPYPKHHHHHHGLNDIFEAQKIEWHE  |

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|                             |   |
|-----------------------------|---|
| <b>Endotoxin</b>            | < 1 EU/μg by LAL.   |
| <b>Purity</b>               | > 85 % by SDS-PAGE  |
| <b>Labelling Efficiency</b> | 1.78 by HABA  |
| <b>Storage</b>              | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                     |
| <b>Storage Buffer</b>       | Sterile PBS, pH7.4, 5 % Trehalose, 5 % Mannitol   |
| <b>Reconstitution</b>       | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.46 mg/mL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| <b>Conjugation</b>          | Biotin  |

## GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | CD69 CD69 molecule [ Homo sapiens (human) ]  |
| <b>Official Symbol</b> | CD69   |
| <b>Synonyms</b>        | CD69; CD69 molecule; CD69 antigen (p60, early T cell activation antigen); early activation antigen CD69; CLEC2C; 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 activation antigen); AIM; EA1; MLR-3; GP32/28; BL-AC/P26 |
| <b>Gene ID</b>         | 969  |

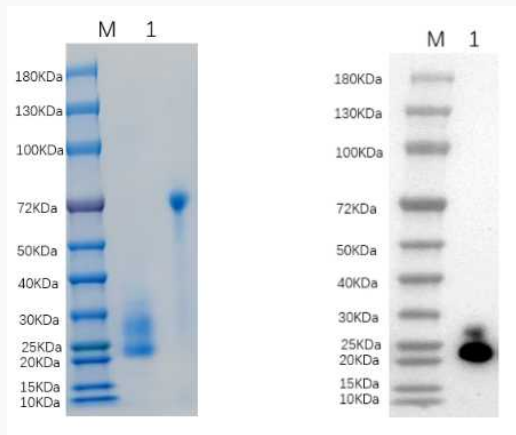
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|                |           |
|----------------|-----------|
| mRNA Refseq    | NM_001781 |
| Protein Refseq | NP_001772 |
| MIM            | 107273    |
| UniProt ID     | Q07108    |

Reducing 12 % SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified CD69.



1. CD69
2. BSA

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