

CD69 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P74274
Synonyms:	Early activation antigen CD69; AIM; MLR-3; CD69; CLEC2C
Species:	Mouse
Source:	HEK293
Accession:	P37217 (N62-R199)
Gene ID:	12515
Molecular Weight:	Approximately 24-32 kDa due to the glycosylation.

PROPERTIES

AA Sequence	<p>N V G K Y N C P G L Y E K L E S S D H H V A T C K N E W I S Y K R T C Y F F S T</p> <p>T T K S W A L A Q R S C S E D A A T L A V I D S E K D M T F L K R Y S G E L E H</p> <p>W I G L K N E A N Q T W K W A N G K E F N S W F N L T G S G R C V S V N H K N V</p> <p>T A V D C E A N F H W V C S K P S R</p>
Biological Activity	Measured by its binding ability in a functional ELISA. When Recombinant Mouse CD69 is coated at 1 µg/mL (100 µL/well) can bind Recombinant Mouse Galectin-1. The ED ₅₀ for this effect is 50.65 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CD69 Protein, a signal transmitting receptor, is involved in lymphocyte proliferation and functions in lymphocytes, natural killer (NK) cells, and platelets. It forms a homodimer through disulfide-linkage.
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Caution: Product has not been fully validated for medical applications. For research use only.

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