

For Research Use Only

Recombinant Mouse NKG2C/CD159c protein (rFc Tag)



Catalog Number: Eg1505

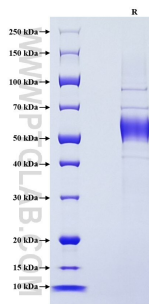
Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Mouse NKG2C protein Ser89-Ile238 (Accession# Q9WTJ9) with a rabbit IgG Fc tag at the N-terminus. GeneID: 16642 Accession: Q9WTJ9 Predicted Molecular Mass: 44.2 kDa SDS-PAGE: 48-68 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	NKG2-C type II integral membrane protein (NKG2C) is also named CD159c. NKG2C regulates the effector functions of terminally differentiated cytotoxic lymphocyte subsets, and in particular may play a role in adaptive NK cell response to viral infection (PMID:20952657, PMID:21825173). Upon HLA-E-peptide binding, NKG2C transmits intracellular signals via the adapter protein TYROBP/DAP12, triggering the phosphorylation of proximal signaling molecules and cell activation (PMID:15940674, PMID:9655483).		
References	1. Angelini DF, et al. (2011) J Leukoc Biol. 89(1):75-84. 2. Lopez-Vergès S, et al. (2011) Proc Natl Acad Sci U S A. 108(36):14725-32. 3. Gumá M, et al. (et al) Eur J Immunol. 35(7):2071-80. 4. Lanier LL, et al. (1998) Immunity. 8(6):693-701.		
Synonyms	CD159c, NKG2C, Killer cell lectin-like receptor subfamily C, member 2, Klrc2		

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Mouse NKG2C was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.