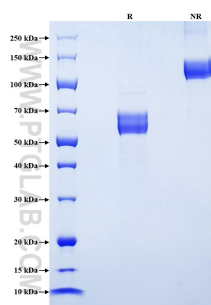


Recombinant Mouse CLEC9A protein (mFc Tag)

Catalog Number: Eg3871

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: mFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/ µg protein, LAL method Source: HEK293-derived Mouse CLEC9A protein Lys57-Ile264 (Accession# Q8BRU4-4) with a mouse IgG Fc tag at the C-terminus. GeneID: 232414 Accession: Q8BRU4-4 Predicted Molecular Mass: 50.3 kDa SDS-PAGE: 55-70 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	CLEC9A (C-type lectin domain family 9 member A), also known as DNGR1, CD370, is a type II membrane protein that contains C-type lectin domain. The C-type lectin domain family members share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signaling, glycoprotein turnover, and roles in inflammation and immune response. Mouse Clec9A is primarily restricted to dendritic cells (DCs) and selectively expressed in mouse CD8+ conventional DCs (cDCs) and plasmacytoid DCs (pDCs), whereas human CLEC9A is also expressed on human DC subtypes. CLEC9A functions as an activating receptor that recruits Syk kinase and can induce the production of proinflammatory cytokines.		
References	1.Dambuza IM, et al. (2015) Curr Opin Immunol. 32:21-7. 2.McGreal EP, et al. (2004) Mol Immunol. 41(11):1109-21. 3.Caminschi I, et al. (2008) Blood. 15;112(8):3264-73 4.Huysamen C, et al. (2008) J Biol Chem. 13;283(24):16693-701.		
Synonyms	CD370, C-type lectin domain family 9 member A, Dendritic cell natural killer lectin group receptor 1, Dngr-1		

Selected Validation Data



Purity of Recombinant Mouse CLEC9A was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

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

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