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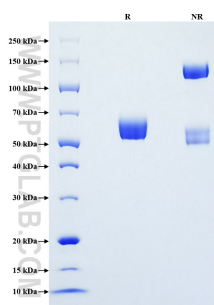
# Recombinant Mouse CD84 protein (rFc Tag)



Catalog Number: Eg1386

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                   |                        |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------|
| Basic Information        | <b>Species:</b><br>Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Purity:</b><br>>90 %, SDS-PAGE | <b>Tag:</b><br>rFc Tag |
| Technical Specifications | <p><b>Purity:</b><br/>&gt;90 %, SDS-PAGE</p> <p><b>Endotoxin Level:</b><br/>&lt;0.1 EU/ µg protein, LAL method</p> <p><b>Source:</b><br/>HEK293-derived Mouse CD84 protein Lys22-Val221 (Accession# Q18PI6-1) with a rabbit IgG Fc tag at the C-terminus.</p> <p><b>GeneID:</b><br/>12523</p> <p><b>Accession:</b><br/>Q18PI6-1</p> <p><b>Predicted Molecular Mass:</b><br/>48.8 kDa</p> <p><b>SDS-PAGE:</b><br/>52-65 kDa, reducing (R) conditions</p> <p><b>Formulation:</b><br/>Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p> |                                   |                        |
| Biological Activity      | Not tested                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                   |                        |
| Storage and Shipping     | <p><b>Storage:</b><br/>It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"><li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li><li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li></ul> <p><b>Shipping:</b><br/>The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>                                                                                                                                                         |                                   |                        |
| Reconstitution           | Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                        |
| Background               | <p>CD84, also known as SLAMF5, is a member of the CD2 subfamily of the immunoglobulin receptor superfamily. CD84 is a single-chain type-I glycoprotein composed of two extracellular Ig-like domains, a hydrophobic transmembrane region, and a cytoplasmic domain. It is broadly expressed on almost all leukocyte subsets. CD84 functions as a homophilic adhesion molecule, whose signaling can activate or inhibit leukocyte function depending on the cell type and its stage of activation or differentiation.</p>                                                                                                                |                                   |                        |
| References               | <ol style="list-style-type: none"><li>1. de la Fuente MA. et al. (1997). Blood. 90(6):2398-405.</li><li>2. Cuenca M. et al. (2019). Clin Immunol. 204:43-49.</li><li>3. Rabani S. et al. (2024). Cell Rep. 43(11):114920.</li></ol>                                                                                                                                                                                                                                                                                                                                                                                                     |                                   |                        |
| Synonyms                 | CD84/SLAMF5, CD84 antigen, SLAMF5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |                        |

## Selected Validation Data



Purity of Recombinant Mouse CD84 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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