

Recombinant Mouse CD64 protein (rFc Tag)

Catalog Number: Eg2107

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 CD64 protein Glu25-Pro297 (Accession# P26151) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

14129

Accession:

P26151

Predicted Molecular Mass:

56.7 kDa

SDS-PAGE:

60-80 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

Fc γ receptor comprises a multigene family of integral membrane glycoproteins that exhibit complex activation or inhibitory effects on cell functions after aggregation by complexed immunoglobulin G (IgG). CD64, also known as Fc γ R1A, is a high-affinity receptor for the Fc region of IgG. It is expressed by monocytes/macrophages, activated neutrophils, dendritic cells, and early myeloid cells. CD64 functions in both innate and adaptive immune responses.

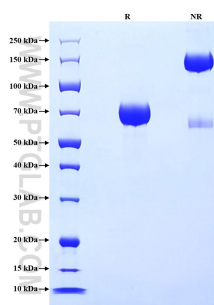
References

1. W W Shanaka I Rodrigo, et al. (2006). J Virol. Oct;80(20):10128-38.
2. David A Mancardi, et al. (2013). Blood. Feb 28;121(9):1563-73.
3. Johannes J M L Hoffmann, et al. (2009). Clin Chem Lab Med. 47(8):903-16.
4. J M Kerst, et al. (1993). Blood. Mar 15;81(6):1457-64.

Synonyms

Fcγ1, Fc-gamma RI, Fcγr1, FcRI, High affinity immunoglobulin gamma Fc receptor I

Selected Validation Data



Purity of Recombinant Mouse CD64 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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