

Recombinant Mouse CD163 protein (His Tag)

Catalog Number: Eg0794

Basic Information

Species:
Mouse**Purity:**
>90 %, SDS-PAGE**Tag:**
His Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

CHO-derived Mouse CD163 protein Val39-Thr1045 (Accession# Q2VLH6-1) with a His tag at the C-terminus.

GeneID:

93671

Accession:

Q2VLH6-1

Predicted Molecular Mass:

109.5 kDa

SDS-PAGE:

110-130 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

CD163, also known as M130, is a membrane glycoprotein which belongs to the scavenger receptor superfamily. It is an acute phase-regulated and signal-inducing macrophage protein expressed exclusively in monocytes and tissue macrophages. CD163 mediates endocytosis of haptoglobin-haemoglobin complexes. The uptake of haptoglobin by macrophages contributes to the recycling of iron and also to the inflammatory response. Soluble CD163 (sCD163), as a result of ectodomain shedding during inflammatory activation of macrophages, circulates in blood and has been suggested as a plasma/serum marker for macrophage activity.

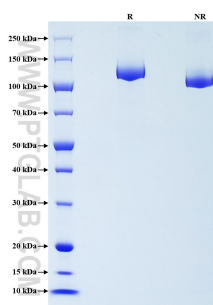
References

1. SK Law, et al. (1993) Eur J Immunol. 23(9):2320-5.
2. M Kristiansen, et al. (2001) Nature. 409(6817):198-201.
3. Anders Etzerodt, et al. (2013) Antioxid Redox Signal. 18(17):2352-63.
4. H J Møller, et al. (2002) Scand J Clin Lab Invest Suppl. 237:29-33.

Synonyms

M130, sCD163

Selected Validation Data



Purity of Recombinant Mouse CD163 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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