

Mouse CD11b, His Tag, E. coli

Catalog Number LDG095PME

Package 5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Mouse

Affinity Tag

His Tag (N-term)

Purity

>95% as determined by SDS-PAGE analysis.

Endotoxin Level

<0.1 EU per 1 µg of the protein by the LAL method.

Expression System

Escherichia coli

Storage Buffer

Lyophilized from a 0.2 µm filtered solution of 50 mM Tris, 150 mM NaCl, 0.01% sarkosyl, pH 8.0

Molecular weight

The protein has a calculated MW of 14.7 kDa. The protein migrates as 14 kDa under reducing condition (SDS-PAGE analysis).

Form

Lyophilized

Background

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Background

CD11b, also known as integrin alpha-M, is a cell surface glycoprotein primarily expressed on the surface of myeloid cells, including monocytes, macrophages, and granulocytes. It is a subunit of the integrin alpha-M beta-2 heterodimer, also known as Mac-1 or CR3. CD11b plays a crucial role in cell adhesion, migration, phagocytosis, and immune cell signaling. By binding to various ligands such as ICAM-1, ICAM-2, and fibrinogen, CD11b mediates interactions between immune cells and their targets, facilitating immune responses, inflammation, and host defense against pathogens. Dysregulation of CD11b expression or function is associated with various inflammatory and autoimmune diseases. Understanding the role of CD11b in immune regulation is essential for developing targeted therapies to modulate immune responses in health and disease.

Uniprot ID

P05555

Synonyms

Integrin alpha-M, CD11 antigen-like family member B, CR-3 alpha chain, Cell surface glycoprotein MAC-1 subunit alpha, Leukocyte adhesion receptor MO1

Sequence Note

Asn808-Thr931

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage

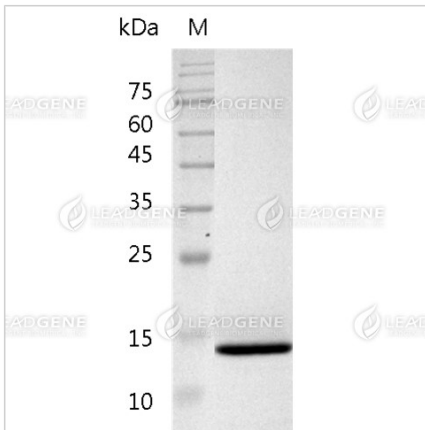
Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Image



SDS-PAGE analysis of recombinant mouse CD11b protein.

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