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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

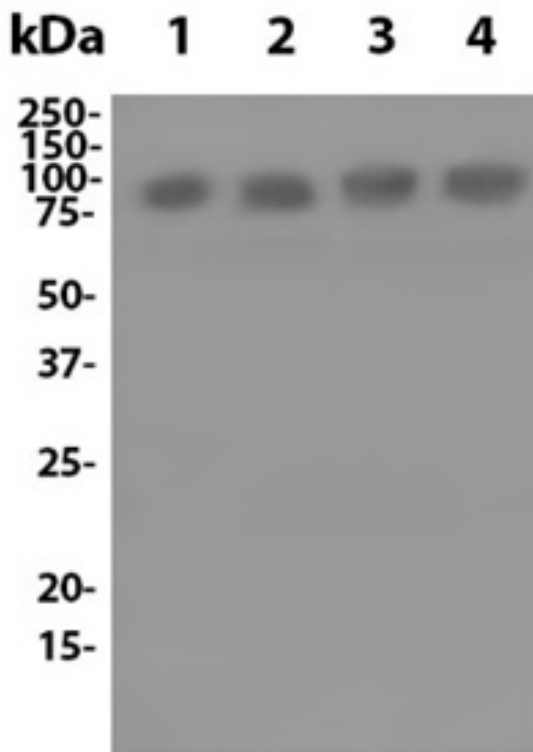
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Anti-Mouse CD54 In Vivo Antibody - Low Endotoxin (YN1/1.7.4) [ICH1059]

SKU: ICH1059

Link: <https://www.ichor.bio/product/anti-cd54-in-vivo-antibody-low-endotoxin-yn1-1-7-4-ich1059/>



Product Information

Category: anti-mouse, Low Endotoxin, Ultra Low Endotoxin

Size: 1mg, 5mg, 25mg, 50mg, 100mg

Endotoxin Level: Low, Ultra low

Product Description

Product Benefits:

ichorbio's anti-CD54 In Vivo Antibody - Low Endotoxin (YN1/1.7.4) is manufactured in a cGMP compliant, ISO Quality Standard 9001:2015 facility. ichorbio's low

endotoxin antibodies have half the endotoxin of comparable antibodies from our competitors (<http://www.ichor.bio/comparing-ichorbio-to-bio-x-cell-biolegend/>) at less than 1.0 EU/mg. If ichorbio's low endotoxin antibodies are not low enough we also offer ultra low endotoxin antibodies which have even less endotoxin (<0.75EU/mg) at an even higher purity (98% versus 95%). ichorbio offers Amazon vouchers or donations to the NC3Rs for reviews of this product: click [here](http://www.ichor.bio/amazon-vouchers/) (<http://www.ichor.bio/amazon-vouchers/>) for more information. ichorbio: the best antibodies for *in vivo* research.

Target:

CD54

Clone:

YN1/1.7.4

Isotype:

Rat IgG2b

Other Names:

Intercellular adhesion molecule 1, Icam1, MALA-2, MyD10

Uniprot:[P13597 \(https://www.uniprot.org/uniprot/P13597\)](https://www.uniprot.org/uniprot/P13597)**Host:**

Rat

Species Reactivity:

Mouse

Specificity:

Anti-CD54 In Vivo Antibody - Low Endotoxin (YN1/1.7.4) recognizes an epitope on Mouse ICAM-1

Purification Method:

This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.

Antigen Distribution:

The CD54 antigen is present on endothelial cells, lymphocytes, epithelial cells, dendritic cells and keratinocytes. It has been demonstrated that ICAM-1 enhances T-cell activation.

Background:

Intercellular adhesion molecule-1 (ICAM-1) is one of an important cell adhesion molecules (CAMs) family transmembrane glycoprotein and is critical for the firm arrest and transmigration of leukocytes out of blood vessels and into tissues. ICAM-1 is constitutively present on endothelial cells, but its expression is increased by proinflammatory cytokines. ICAM-1 is a marker of endothelial dysfunction leading

to damaging vascular disorders, in umbilical and placental vascular tissue of gestational pregnancies.

Immunogen:

Mouse NS-1 cells

Concentration:

1.0 mg/ml

Formulation:

0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein, potassium or preservatives added. BSA and Azide free.

Purity:

>95% by SDS-PAGE and HPLC

>98% by SDS-PAGE and HPLC

Endotoxin:

≤ 1.0 EU/mg as determined by the LAL method

≤ 0.75 EU/mg as determined by the LAL method

Aggregation:

Aggregation level ≤ 5%

Aggregation level ≤ 1%

Storage:

anti-CD54 In Vivo Antibody - Low Endotoxin (YN1/1.7.4) is stable for at least one week when stored sterile at 2-8°C. For long term storage aseptically aliquot in working volumes without diluting and store at -80°C. Avoid Repeated Freeze Thaw Cycles.

Applications:

Western Blot, Functional Assays

Application Notes:

Each investigator should determine their own optimal working dilution for specific applications.

Use:

Products are for research use only. Not for use in diagnostic or therapeutic procedures.

Isotype Control:

Rat IgG2b In Vivo Isotype Control - Low Endotoxin [1-2]_(ICH2243)

(<http://www.ichor.bio/product/Rat-IgG2b-In-Vivo-Isotype-Control-Low-Endotoxin-1-2-ICH2243>)