



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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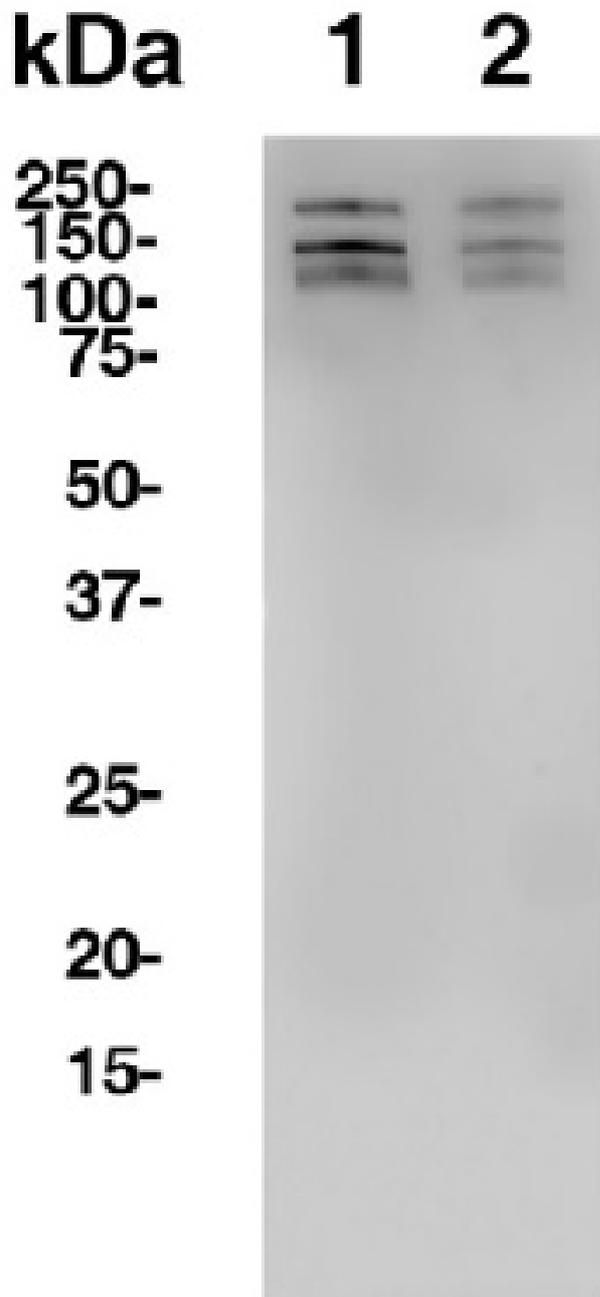
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# Anti-Human CD56 In Vivo Antibody - Low Endotoxin (ERIC-1) [ICH1015]

SKU: ICH1015

Link: <https://www.ichor.bio/product/anti-cd56-in-vivo-antibody-low-endotoxin-eric-1-ich1015/>



## Product Information

**Category:** anti-human, Dot Blot, ELISA, IHC (Frozen), IHC (Paraffin), Immunoprecipitation, Low Endotoxin, Western Blot  
**Size:** 1mg, 5mg, 25mg, 50mg, 100mg  
**Endotoxin Level:** Low

## Product Description

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### Product Benefits:

ichorbio's anti-CD56 In Vivo Antibody - Low Endotoxin (ERIC-1) 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:

CD56

### Clone:

ERIC-1

### Isotype:

Mouse IgG1

### Other Names:

Neural cell adhesion molecule 1, NCAM1

### Uniprot:

[P13591](https://www.uniprot.org/uniprot/P13591) (<https://www.uniprot.org/uniprot/P13591>).

### Host:

Mouse

### Species Reactivity:

Human

### Specificity:

Anti-CD56 In Vivo Antibody - Low Endotoxin (ERIC-1) recognizes Human CD56. Anti-Human CD56 recognizes the (Mr 180, 145, 125 kDa) isoforms of the human neural cell adhesion molecule (NCAM)

### 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 CD56 (NCAM) antigen is expressed on most neuroectodermal derived cell lines, tissues, and tumors. NCAM is also known to be expressed on some mesodermally derived tissues such as muscle and on natural killer (NK) lymphocytes. The binding of ERIC-1 to both normal and neoplastic tissue is lost when tissues are conventionally fixed in formalin and embedded in paraffin. The epitope was preserved when exposed to dehydrating fixatives such as cold acetone (-20°C) for 5 min. CD56 is present on 10-25% of peripheral blood lymphocytes.

**Background:**

Anti-Human CD56 can be used in studies of the neural cell adhesion molecule. This antibody may also be used to study isoforms of NCAM expressed on different tumor types. Anti-CD56 (clone ERIC-1) works well in western blot for analysis of isoforms expressed. Anti-CD56 did not react with any of the leukemias or lymphomas tested

**Immunogen:**

Human Retinoblastoma tumor

**Concentration:**

1.0 - 5.0 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:**

<0.5 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-CD56 In Vivo Antibody - Low Endotoxin (ERIC-1) 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:**

ELISA Capture, IHC (Frozen), IHC (Paraffin), Western Blot, Immunoprecipitation, Dot Blot

**Application Notes:**

ELISA Sandwich: This antibody is useful as the capture antibody in a sandwich ELISA.

The suggested coating concentration is 80 ng/mL. Dot Blots: Immunoblotting:

Recognizes 120, 140, and 180 kDa NCAM isoforms. 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:**

Mouse IgG1 Isotype Control for In Vivo - Low Endotoxin [HKSP] (ICH2247).

(<http://www.ichor.bio/product/Mouse-IgG1-Isotype-Control-for-In-Vivo-Low-Endotoxin-HKSP-ICH2247>).