



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Bulk anti-Human CD1d antibody (D5) [ICH1177]

### Description

## Bulk anti-human CD1d antibody (D5)

#### Product Benefits:

ichorbio's bulk anti-human CD1d antibody (D5) 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](#) 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: the best antibodies for *in vivo* research.

#### Target:

CD1d

#### Other Names:

R3G1

#### Clone:

D5

#### Size:

ichorbio's anti-human CD1d antibody (D5) is available in the following bulk sizes:

1mg, 5mg, 25mg, 50mg and 100mg

ichorbio regularly manufactures multi-gram amounts of our anti-CD1d D5 clone – please contact us for pricing.

#### Isotype:

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Mouse IgG2b

Uniprot:

[P15813](#)

Host:

Mouse

Species Reactivity:

Human

Specificity:

Clone D5 recognizes an epitope on human CD1d.

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:

CD1d is expressed on monocytes, DCs, macrophages, and epithelial cells.

Background:

CD1d antibody, clone D5, recognizes human CD1d, also known as CD1.1 and Ly-38, a 48 kDa type 1 membrane glycoprotein that belongs to the cluster of differentiation 1 (CD1) family of glycoproteins. CD1d is expressed on epithelial cells and monocyte-derived antigen presenting cells (APCs), including monocytes, DCs, and macrophages. CD1d is an MHC class I-like molecule involved in the presentation of lipid antigens, such as  $\beta$ -galactosylceramide ( $\beta$ -GalCer), to a highly conserved T cell subset, named invariant natural killer T (iNKT) cells or CD1d-restricted T cells<sup>1</sup>. Following activation, iNKT cells rapidly proliferate and produce large amounts of cytokines and cytolytic mediators.

Immunogen:

CD1d a1-a2 domains.

Concentration:

>2.0 mg/ml

Formulation:

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Anti-human CD1d antibody (D5) is aseptically packaged and formulated in 0.01 M phosphate buffered saline (PBS) pH 7.2 – 7.4, 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%

IMPACT Pathogen Test:

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We use the IMPACT test generated by IDEXX Laboratories to guarantee our Ultra Low Endotoxin antibodies are pathogen free. Our mouse antibodies are tested for:

Mycoplasma spp.  
Mycoplasma pulmonis  
Sendai virus  
Mouse hepatitis virus  
Pneumonia virus of mice  
Minute virus of mice  
Mouse parvovirus (MPV1-5)  
Theiler's murine encephalomyelitis virus  
Murine norovirus  
Reovirus 3  
Mouse rotavirus  
Ectromelia virus  
Lymphocytic choriomeningitis virus  
Polyoma virus  
Lactate dehydrogenase-elevating virus  
Mouse adenovirus (MAD1, MAD2)  
Mouse cytomegalovirus  
K virus  
Mouse thymic virus  
Hantaan virus  
Corynebacterium bovis  
Corynebacterium spp. (HAC2)

**Storage:**

Anti-human CD1d antibody (D5) 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:**

Immunoprecipitation, Western Blot

**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.