

# Bulk Anti-Human iNKT Cell (6B11) Antibody

Bulk anti-human iNKT cell antibody (6B11)

## Product Benefits:

ichorbio's anti-human iNKT cell antibody (6B11) 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 [Bio X Cell](#) 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 (0.5EU/mg) at an even higher purity (98% versus 95%). ichorbio: the best antibodies for *in vivo* research.

## Target:

iNKT cell

## Clone:

6B11

## Isotype:

Mouse IgG1

## Other Names:

TCR Valpha24-Jalpha18, TCR Valpha24-JalphaQ, invariant NKT cell, iNKT

## Host:

Mouse

## Species Reactivity:

Human

## Specificity:

Bulk anti-human iNKT cell antibody (6B11) recognizes an epitope on TCR V alpha 24-J alpha 18

## 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:

Invariant NKT cells

**Background:**

Encoded by the TCR V alpha 24-J alpha 18 germline configuration, V alpha 24-J alpha Q is expressed on a subset of NKT cells, namely invariant NKT (iNKT). V alpha 24-J alpha Q TCR interacts with the glycolipid loaded MHC class 1b molecule CD1d, inducing activation and subsequent cytokine production.

**Immunogen:**

Unknown

**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:**

? 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:**

This antibody is stable for at least 4 weeks when stored at 2-8°C. For long term storage, aliquot in working volumes without diluting and store at – 20°C or -80°C. Avoid repeated freeze thaw cycles.

**Applications:**

Western Blot, Flow Cytometry

**Application Notes:**

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

**Use:**

Products are for research use only.

## Isotype Control:

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

## Alternative Names:

- COLEC 1 antibody
- COLEC1 antibody
- Collectin-1 antibody
- HSMBPC antibody
- Lectin, mannose-binding, soluble, 2 antibody
- Mannan binding lectin antibody
- Mannan binding protein antibody
- Mannan-binding protein antibody
- Mannose binding lectin (protein C) 2 soluble antibody
- Mannose binding lectin (protein C) 2, soluble (opsonic defect) antibody
- Mannose binding lectin (protein C) 2, soluble antibody
- Mannose binding lectin 2 soluble antibody
- Mannose binding lectin 2, soluble (opsonic defect) antibody
- Mannose binding lectin antibody
- Mannose binding lectin protein C2 soluble opsonic defect antibody
- Mannose binding protein antibody
- Mannose binding protein C antibody
- Mannose binding protein C precursor antibody
- Mannose binding protein, serum antibody
- Mannose-binding lectin antibody
- Mannose-binding protein C antibody
- MBL 2 antibody
- MBL antibody
- MBL2 antibody
- MBL2\_HUMAN antibody
- MBL2D antibody
- MBP 1 antibody
- MBP antibody
- MBP C antibody
- MBP-C antibody
- MBP1 antibody
- MBPB antibody
- MBPC antibody
- MBPD antibody
- MGC116832 antibody
- MGC116833 antibody
- Opsonic defect antibody
- protein C antibody
- Soluble mannose binding lectin antibody