

# Anti-Mouse Ly49C (4LO3311) In Vivo Antibody - Low Endotoxin

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## Product Benefits:

ichorbio's anti-Mouse Ly49C In Vivo Antibody (4LO3311) - Low Endotoxin [ICH1202] 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:

Ly49C

## Clone:

4LO3311

## Size:

ichorbio's 4LO3311 *in vivo* antibody is available in the following bulk sizes: 5mg, 25mg, 50mg and 100mg. ichorbio regularly manufactures multi-gram amounts of our anti-mouse Ly49C LO3311 clone - please contact us for pricing.

## Isotype:

Mouse IgG3 kappa

## Other Names:

Ly-49 inhibitory receptors C, Killer cell lectin-like receptor 3, KLRA3; NK2.1

## Host:

Mouse

## Species Reactivity:

Mouse

## Specificity:

4LO3311 activity is directed against Ly49C. 4LO3311 binds an epitope located in a 32-amino acid segment of the stalk region immediately adjacent to the carbohydrate recognition domain.

**Antigen Distribution:**

Ly49C is expressed on NK, uterine NK, NKT, and CD8+ T cells.

**Background:**

4LO3311 recognizes an epitope located in a 32-amino acid segment of the stalk region immediately adjacent to the carbohydrate recognition domain. 4LO3311 recognizes Ly-49CBALB but not Ly-49AB6, Ly-49ABALB, BBALB, DB6, EB6, FB6, GB6, GBALB, or H. 4LO3311 plus complement inhibits NK cell and antibody-dependent cellular cytotoxicity (ADCC) activity in C3H spleen cells<sup>4</sup>. 4LO3311 inhibits C57BL/6 and C3H NK cell activity but has no effect on NZB NK cells.

**Immunogen:**

4LO3311 was generated by immunizing 129/SvJ mice with C57BL/6 NK-enriched spleen cells.

**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%

**IMPACT Pathogen Test:**

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-Mouse Ly49C In Vivo Antibody (4LO3311) 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 -20°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

**Applications:**

Depletion, Flow Cytometry, Immunoprecipitation

**Application Notes:** Each investigator should determine their own optimal working dilution for specific applications. **Use:**

Products are for research use only.