

Anti-Rat CD71 (OX-26) In Vivo Antibody - Low Endotoxin

Product Code: ICH1197

Anti-Rat CD71 In Vivo Antibody (OX-26)

Product Benefits:

ichorbio's Anti-Rat CD71 In Vivo Antibody (OX-26) - Low Endotoxin [ICH1197] 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:

CD71

Clone:

OX-26

Size:

ichorbio's OX-26 *in vivo* antibody is available in the following bulk sizes: 5mg, 25mg, 50mg and 100mg. ichorbio regularly manufactures multi-gram amounts of our anti-rat CD71 OX-26 clone - please contact us for pricing.

Isotype:

Mouse IgG2a

Host:

Mouse

Species Reactivity:

Mouse, Rat

Specificity:

Clone OX-26 reacts with mouse and rat CD71 (TfR1).

Antigen Distribution:

CD71 is expressed on the surface of proliferating cells, reticulocytes, and erythroid precursors.

Background:

CD71 is a transferrin receptor on the cell surface that mediates the uptake of transferrin-iron complexes, thereby mediating cellular proliferation. CD71 is a homodimeric glycoprotein containing 760 amino acids and it binds to diferric transferrin. Binding by diferric transferrin causes CD71 to be internalized, and diferric iron is subsequently released. CD71 is highly expressed on malignant cells, as iron uptake is necessary for aberrant cell proliferation.

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 \leq 5%

Aggregation level \leq 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 CD71 In Vivo Antibody (OX-26) 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:

Flow Cytometry, Immunohistochemistry

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

Products are for research use only.

Alternative Names:

- CD 71 antibody
- CD71 antibody
- CD71 antigen antibody
- IMD46 antibody
- OTTHUMP00000208523 antibody
- OTTHUMP00000208524 antibody

- OTTHUMP00000208525 antibody
- p90 antibody
- sTfR antibody
- T9 antibody
- TFR 1 antibody
- TfR antibody
- TfR1 antibody
- TFRC antibody
- TR antibody
- Transferrin receptor (p90 CD71) antibody
- Transferrin receptor protein 1, serum form antibody
- Trfr antibody