

Anti-Mouse CD90 (HK2.1) In Vivo Antibody - Low Endotoxin

Product Code: ICH1065

Bulk anti-CD90 In Vivo Antibody - Low Endotoxin (HK2.1)

Product Benefits:

ichorbio's anti-CD90 In Vivo Antibody - Low Endotoxin (HK2.1) 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 [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:

CD90

Clone:

HK2.1

Isotype:

Rat IgG2c

Other Names:

Thy-1, Thy1

Uniprot:

[P01831](#)

Host:

Rat

Species Reactivity:

Mouse

Specificity:

Anti-CD90 In Vivo Antibody - Low Endotoxin (HK2.1) recognizes the Thy-1.1 and Thy-1.2 alloantigens of all mouse strains tested. This antibody is reported to stimulate mouse T-cell proliferation.

Antigen Distribution:

Anti-Mouse CD90 (Thy-1) is present on thymocytes, most peripheral T-lymphocytes, some intraepithelial T-lymphocytes, epithelial cells, fibroblasts, neurons and hematopoietic stem cells, but not B-cells of most mice tested.

Concentration:

0.5 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%

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, Functional Assays

Application Notes:

Functional Assay: Anti-Mouse CD90 (Thy-1) (clone HK2.1) has been implicated in activation of T-cells. Each investigator should determine their own optimal working dilution for specific applications.

Use:

Products are for research use only.

Antibodies against the same target:

[Anti-CD90 In Vivo Antibody - Low Endotoxin \[T24/31\] \(ICH1064\)](#), [Anti-CD90 In Vivo Antibody - Ultra Low Endotoxin \[T24/31\] \(ICH1064UL\)](#), [Anti-CD90.2 In Vivo Antibody - Low Endotoxin \[30-H12\] \(ICH1066\)](#), [Anti-CD90.2 In Vivo Antibody - Ultra Low Endotoxin \[30-H12\] \(ICH1066UL\)](#)