

# 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 ≤ 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 \[30-H12\] \(ICH1066UL\)](#)