

Bulk Anti-Human CD5 (UCHT-2) Antibody

Product Code: ICH1174

Bulk anti-human CD5 antibody (UCHT-2)

Product Benefits:

ichorbio's bulk anti-human CD5 antibody (UCHT-2) 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:

CD5

Other Names:

Leu-1

Clone:

UCHT-2

Size:

This antibody is available in the following bulk sizes: 5mg, 25mg, 50mg and 100mg. ichorbio regularly manufactures multi-gram amounts of our UCHT-2 clone - please contact us for pricing.

Isotype:

Mouse IgG1

Host:

Mouse

Species Reactivity:

Human

Specificity:

Human CD5.

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:

The CD5 antigen is present on approximately 70% of normal peripheral blood lymphocytes and >90% of all T-lymphocytes. T-lymphocytes in the thymus stain weakly while peripheral T-cells stain strongly. Monocytes, granulocytes and NK cells are not stained.¹ Anti-CD5 also reacts with a distinct subset of normal B-lymphocytes, occasional cells in B-lymphocyte areas of spleen and lymph node, and most Ig+ B-chronic lymphoblastic leukemia (CLL) cells. The CD5 antigen has also been shown to be present on some lymphomas.

Concentration:

>2.0 mg/ml

Formulation:

Bulk anti-human CD5 antibody (UCHT-2) is aseptically packaged and formulated in 0.01 M phosphate buffered saline (PBS) pH 7.2 - 7.4, 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:

Flow Cytometry, IHC (Frozen), Functional Assays, CODEX®

Application Notes:

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

Use:

Products are for research use only.