

Anti-CD5 [OX-19] Standard Size Ab00554-8.4

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric rat antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rat IgG2b, Fc Silent™, Kappa

Clone Number: OX-19

Alternative Name(s) of Target: Lyt-1; Ly-1; Ly-12; Lyt1; Ly1; Ly12; OX19; MRC OX19; MRC OX-19; UCHT2; UCH-T2

UniProt Accession Number of Target Protein: P51882

Published Application(s): inhibit, WB, FC, IHC

Published Species Reactivity: Rat

Immunogen: Rat immunized with thymocyte glycoproteins.

Specificity: This antibody binds to CD5 glycoprotein primarily expressed on thymocytes and mature peripheral T lymphocytes. CD5 is a member of the scavenger receptor superfamily and primarily expressed on thymocytes and mature peripheral T lymphocytes, but not on NK cells, intestinal intraepithelial gamma/delta T cells.

Application Notes: This antibody can be used for denaturing and non-denaturing WB and developed using peroxidase-conjugated rabbit anti-mouse. It can also be used for IHC of cryostat sections from adult rat liver. Staining is also observed on the brush border of the small intestine and colonic epithelium, T cell areas of lymphoid cells but not B cell follicles

Antibody First Published in: McCaughan et al. Identification of the bile canalicular cell surface molecule GP110 as the ectopeptidase dipeptidyl peptidase IV: an analysis by tissue distribution, purification and N-terminal amino acid sequence. Hepatology 11:534-544 1990 [PMID:1970322](#)

Note on publication: Describes the tissue distribution of CD26 by staining using the antibody OX-61. OX-61 also was shown to deplete CD26 activity.

Product Form

Size: 200 µg Purified antibody.

Purification:

Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.