

Anti-CD52 [YTH 34.5-G2b (Campath-1G)] Vivopure 100 mg Ab00165-1.4-VPB

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

This is a chimeric antibody created to reduce immunogenicity during in vivo applications.

Isotype and Format: Mouse IgG1, Fc Silent™, Kappa

Clone Number: YTH 34.5-G2b (Campath-1G)

Alternative Name(s) of Target: CDw52; Cambridge pathology 1 antigen; Epididymal secretory protein E5; Human epididymis-specific protein 5

UniProt Accession Number of Target Protein: P31358

Published Application(s): Cytotoxicity Assay, IHC-P, in vivo, WB, ELISA, FC, IHC-Fr

Published Species Reactivity: Human, Rhesus Monkey, Cynomolgus Monkey

Immunogen: Human peripheral mononuclear cells enriched for T-cells.

Specificity: Human CD52 antigen, also known as CAMPATH-1. CD52 is expressed at high density by lymphocytes, monocytes, eosinophils, thymocytes and macrophages. It is expressed by most lymphoid derived malignancies, although expression on myeloma cells is variable.

Application Notes:

Antibody First Published in: Hale G et al. Removal of T cells from bone marrow for transplantation: a monoclonal antilymphocyte antibody that fixes human complement. Blood. 1983 Oct;62(4):873-82.

[PMID:6349718](#)

Note on publication: Describes the generation and characterization of this antibody, including its T-cell depleting function.

Product Form

Size: 100 mg Vivopure products are produced at high purity (>98%), low endotoxin (<0.5 EU/mg) and are formulated without preservatives. As a result Vivopure products are the ideal choice for in vivo research applications.

Purification: Protein A affinity purified

Supplied In:

PBS only, with >98% antibody purity and <1 EU/mg guaranteed.

Storage Recommendation: All vivopure products are formulated in PBS only without addition of preservatives. To ensure optimal storage and prevent microbial contamination, only open and dispense under sterile conditions. Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: ≥1mg (see vial label for exact conc)

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