

## Anti-CD52 [YTH 34.5-G2b (Campath-1G)] Vivopure 10 mg Ab00165-1.4-VPT

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:** 10 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.

**Concentration:**  $\geq 1$ mg (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.