

IVMB0224

Product Information

Product SKU:	IVMB0224	Clone:	Campath-1H	Target:	CD52
Size:	1.0 mg, 25 mg, 100 mg, 5.0 mg, 50 mg			Isotype:	Human IgG1k

Additional Information

Reactivity:	Human/Rhesus Monkey/Cynomolgus Monkey	Host Species:	Human
Antibody Type:	Biosimilar Recombinant Human Monoclonal Antibody	Expression Host:	HEK-293 Cells

Immunogen Information

Background:	Clone Campath-1H is a monoclonal antibody that specifically binds to CD52, a protein present on the surface of mature lymphocytes. However, this protein is not present on the stem cells that generated these lymphocytes. Alemtuzumab targets and destroys mature lymphocytes containing CD-52, and is used to treat chronic lymphocytic leukemia (CLL) and multiple sclerosis. Anti-Human CD52 (Alemtuzumab) utilizes the same variable regions from the therapeutic antibody Alemtuzumab making it ideal for research projects.
Endotoxin Level:	< 1.0 EU/mg as determined by the LAL method
Applications:	CyTOF
Synonyms:	HE5; CDW52; EDDM5 CDW52; Cambridge pathology 1 antigen
Antigen Distribution:	CD52 is primarily expressed on the surface of mature lymphocytes. Additionally, CD52 is present on most lymphoid derived malignancies. However, variable expression on Myeloma cells should be noted.
Immunogen:	Human lymphocytes.
Formulation:	This biosimilar antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added. Due to inherent biochemical properties of antibodies, certain

products may be prone to precipitation over time. Precipitation may be removed by aseptic centrifugation and/or filtration.

Specificity:

This non-therapeutic biosimilar antibody uses the same variable region sequence as the therapeutic antibody Alemtuzumab. Clone Campath-1H recognizes human CD52. This product is for research use only.

Product Preparation:

Recombinant biosimilar antibodies are manufactured in an animal free facility using only in vitro protein free cell culture techniques and are purified by a multi-step process including the use of protein A or G to assure extremely low levels of endotoxins, leachable protein A or aggregates.

Storage & Handling:

Functional grade biosimilar antibodies may be stored sterile as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at -80°C. Avoid Repeated Freeze Thaw Cycles.