

12-8050: Anti-Human CD52 (Alemtuzumab) - HRP

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| Clonality : | Monoclonal |
| Clone Name : | Campath-1H |
| Application : | ELISA |
| Alternative Name : | HE5; CDW52; EDDM5 CDW52; Cambridge pathology 1 antigen |
| Isotype : | Human IgG1k |
| Immunogen Information : | Human lymphocytes. |

Description

Expression Host : HEK-293

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.

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.

Product Info

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| Amount : | 100 µg Concentration : 0.5 mg/ml |
| Content : | This HRP-conjugated antibody is formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4, 1% BSA. (Warning: Use of sodium azide as a preservative will inhibit the enzyme activity of horseradish peroxidase) |
| Storage condition : | This horseradish peroxidase conjugated monoclonal antibody is stable when stored at 2-8°C. Do not freeze. |

Application Note

The suggested concentration for Alemtuzumab biosimilar antibody for staining cells in flow cytometry is $\leq 1.0 \mu\text{g}$ per 10^6 cells in a volume of 100 µl. Titration of the reagent is recommended for optimal performance for each application.