Human CD52 Monoclonal Antibody (Research Grade Alemtuzumab Biosimilar)

Recombinant Monoclonal Human IgG1 Clone #FB028
Catalog Number: BIO-010

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD52 in direct ELISA. This non-therapeutic antibody uses the same variable region sequences (VH, VL) as the therapeutic antibody Alemtuzumab. This product is for research use only.
Source	Recombinant Monoclonal Human IgG1 Clone #FB028
Purification	Protein A/G purified from CHO cell culture supernatant
Immunogen	Human CD52
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method
Formulation	0.2 µm filtered solution in PBS

APPLICATION

	Recommended Concentration
Flow Cytometry	0.25 µg/10^6 cells

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/ml in sterile 1xPBS
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 to -70°C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. • 12 months from the date or receipt, -20 to -70°C as supplied. • 1 month, 2 to 8°C under sterile conditions

BACKGROUND

Alemtuzumab is a humanized monoclonal antibody specific to lymphocyte antigens. It is a recombinant DNA-derived humanized monoclonal antibody (Campath-1H) that is directed against the 21-28 kD cell surface glycoprotein, CD52. Alemtuzumab is used to treat B-cell chronic lymphocytic leukemia and relapsing forms of multiple sclerosis.