

## Anti-CD52 Antibody (Alemtuzumab)

### Introduction

Alemtuzumab (Campath-IH) is a humanized monoclonal antibody against CD52 that does not cross-react with murine CD52. Alemtuzumab selectively targets the CD52 antigen, inducing profound lymphocyte depletion and then restoring T and B cells with a regulatory phenotype. Alemtuzumab is able to produce complement-dependent cytotoxicity and antibody-dependent cell-mediated cytotoxicity (ADCC), as well as induce apoptosis. Alemtuzumab has the potential to be used in the study of B-cell chronic lymphocytic leukemia.

### Product parameters

Alternative Names	Campath, MabCampath, Lemtrada
Target Accession	P31358
Target	CD52
CAS number	216503-57-0
Molecular Weight	146.06 kDa
Host	CHO
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Form	Liquid
Concentration	See label
Buffer System	100 mM Pro 20 mM Arg pH 5.0. No preservative!
Clonality	Monoclonal
Purification	Protein A
Isotype	IgG1
Application	ELISA, FACS, Kinetics, Functional assay, Animal Model
Biological activity	-
Endotoxin	Less than 0.1 EU/ug determined by LAL method.
Sterilization	0.2 µM filtered
Reconstitution	For reconstitution, we recommend adding sterile, distilled water to achieve a final antibody concentration. Gently shake it to solubilize the protein completely. Do not vortex.
Shipping	Dry ice
Storage	-80°C
Expiration Date	2 years
Note	Please avoid freeze-thaw cycles.

## ■ Note

1. This product is for scientific research use only.



**APExBIO Technology**

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