

CD52 (CF-1D12)

Type	Number of tests	Volume per test (μL)	Total volume (μL)	Catalog number
FITC	50	5	250	6085012
	100	5	500	6085015

Antigen: CD52
Immunogen: Human CD52
Host/Isotype: Mouse IgG3, κ
Reactivity: Human, African Green, Baboon, Pigtailed Macaque, Rhesus
Purity: >90% pure tested via polyacrylamide gel electrophoresis (PAGE)
Formulation: PBS, pH7.2, 0.09% NaN₃ and 0.2% (w/v) BSA
Storage: Store at 2-8°C and protected from prolonged exposure to light. **Do not freeze.**
Applications: Flow Cytometry.

Application Information

Each lot was pre-titrated and tested by flow cytometric so 5μl will stain of 1 million cells in a 100μl staining volume or 100μl of whole blood. Antibody reactivity should be empirically titrated for optimal performance for the application of interest.

Antigen Information

Clone CF-1D12 recognizes human CD52, a 21-28 kDa glycoprotein whose C-terminus is glycosylphosphatidylinositol (GPI) anchored within the membrane. It is also known as Cambridge pathology antigen 1 (CAMPATH-1). Binding of CF-1D12 with CD52 induces a potent complement-mediated cytolytic immune response of matured lymphocytes. It is widely expressed on the surface of thymocytes and mature lymphocytes, on monocytes, dendritic cells, eosinophils and epithelial cells of the epididymis and seminal vesicles but not on neutrophils, plasma cells, platelets or erythrocytes.

References

1. Rowan, W. *et al.* 1998. *Immunology* 95: 427–436. (2011)
2. Kishimoto, T. *et al.* 1999. *Leukocyte Typing VI*. Garland Publishing, Inc., NY
3. Elsner, J, *et al.* 1996. *Blood* 88:4684.

Terms and Conditions

This is a GMP product meant for research use only (RUO) and not intended for diagnostic testing.