

---

**CD52 (CF-1D12)****Analyte Specific Reagent (ASR)\***

Type	Number of tests	Volume per test (μL)	Total volume (μL)	Catalog number
FITC	50	5	250	4085012
	100	5	500	4085015

<b>Antigen:</b>	CD52
<b>Immunogen:</b>	Human CD52
<b>Host/Isotype:</b>	Mouse IgG3, κ
<b>Reactivity:</b>	Human, African Green, Baboon, Pigtailed Macaque, Rhesus
<b>Purity:</b>	>90% pure tested via polyacrylamide gel electrophoresis (PAGE)
<b>Formulation:</b>	PBS, pH7.2, 0.09% NaN <sub>3</sub> and 0.2% (w/v) BSA
<b>Storage:</b>	Store at 2-8°C and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Applications:</b>	Flow Cytometry.

---

**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.

\*Analyte Specific Reagent. The analytical and performance characteristics of this ASR product are not established.