

CD71 (OKT9)

Type	Size	Catalog number
Unconjugated	100µg	103101
	500µg	103103
FITC	25 tests	103114
	100 tests	103115
	200 tests	103116
PE	25 tests	103124
	100 tests	103125
	200 tests	103126
APC	25 tests	103144
	100 tests	103145
	200 tests	103146
Biotin	100µg	103151

Antigen: CD71
Immunogen: Human acute lymphoblastic leukemia cells
Host/Isotype: Mouse, IgG1, κ
Reactivity: Human
Purity: >90% pure tested via polyacrylamide gel electrophoresis (PAGE)
Formulation: PBS, pH7.2, 0.09% NaN₃ (unconjugated, Biotin)
 PBS, pH7.2, 0.09% NaN₃, 0.2% (w/v) BSA (conjugated)
Storage: Store at 2-8°C and protected from prolonged exposure to light. **Do not freeze.**
Applications: Flow Cytometry

Application Information

Each lot of these antibodies has been pre-titrated and tested by flow cytometric analysis of human PBMCs such that 0.5µg (unconjugated, Biotin) or 5µl (conjugated) of these products are sufficient for staining 1 million cells in a 100µl staining volume or 100µl of whole blood. It is recommended to titrate antibody reactivity empirically for optimal performance.

Antigen Information

The antibody is directed against the transferrin receptor (CD71), the 95 kDa, type II membrane glycoprotein. CD71 is expressed on activated, but not resting lymphocytes, monocytes, macrophages, most dividing cells and on brain endothelium, and is upregulated during response to antigens and/or mitogens. The transferrin receptor binds Fe(Apo)-transferrin and via endocytosis and delivers iron required by the growing cell for cellular metabolism.

References

1. Nagatani T, et al. 1990. Cancer. 66:2380.
2. Naumovski L, et al. 1989. Blood. 74:2733.
3. Polakova K, et al. 1991. Neoplasma. 38:21.
4. Van Muijen GN, et al. 1990. J Invest Dermatol. 95:65.
5. Wang J, et al. 2010. J Am Chem Soc. 132:11306.

Terms and Conditions

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