

CD45RA (OTH-74D4)

Type	Size	Catalog number
Unconjugated	100µg	108701
	500µg	108703
FITC	25 tests	108714
	100 tests	108715
	200 tests	108716
PE	25 tests	108724
	100 tests	108725
	200 tests	108726
APC	25 tests	108744
	100 tests	108745
	200 tests	108746

Antigen:	CD45RA
Immunogen:	An EBV-transformed B cell line from a patient with MHC class II deficiency
Host/Isotype:	Mouse IgG1, κ
Reactivity:	Human
Purity:	>90% pure tested via polyacrylamide gel electrophoresis (PAGE)
Formulation:	PBS, pH7.2, 0.09%NaN ₃ (unconjugated) PBS, pH7.2, 0.09% NaN ₃ and 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 clone OTH-74D4, a mouse monoclonal antibody, recognizes a 220 kDa cell surface isoform protein known as CD45RA of the leucocyte common antigen (LCA) of the CD45 antigen family. The CD45RA antigen is expressed mostly on naïve CD4+, CD8+, γδ+ T, and on most B and NK lymphocytes. Generally, the CD45RA antigen density decreases upon activation.

References

1. Cobbold SP, et al. 1987. Leucocyte Typing III: White Cell Differentiation Antigens. NY: Oxford University Press:788-803
2. Ewelina K, et al. 2016. PLoS One. 11:e150434.
3. Braakman E, et al. 1991. Int Immunol. 3:691.
4. Henson, SM, et al. 2012. Curr Opin Immunol. 24:476
5. Morikawa K, et al. 1991. Scand J. Immunol. 34:273.

Terms and Conditions

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

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