

## CD45RA (OTH-74D4)

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

<b>Antigen:</b>	CD45RA
<b>Immunogen:</b>	An EBV-transformed B cell line from a patient with MHC class II deficiency
<b>Host/Isotype:</b>	Mouse IgG1, κ
<b>Reactivity:</b>	Human
<b>Purity:</b>	>90% pure tested via polyacrylamide gel electrophoresis (PAGE)
<b>Formulation:</b>	PBS, pH7.2, 0.09%NaN <sub>3</sub> (unconjugated) PBS, pH7.2, 0.09% NaN <sub>3</sub> and 0.2% (w/v) BSA (conjugated)
<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

### 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.