

## CD45RA (OTH-74D4)

### Analyte Specific Reagent (ASR)\*

Type	Number of tests	Volume per test (μL)	Total volume (μL)	Catalog number
FITC	50	5	250	4087012
	100	5	500	4087015
APC	50	5	250	4087042
	100	5	500	4087045
PE	50	5	250	4087022
	100	5	500	4087025
PerCP-Cyanine5.5	50	5	250	4087062
	100	5	500	4087065
APC-Cyanine7	50	5	250	4087092
	100	5	500	4087095

<b>Antigen:</b>	CD45RA
<b>Immunogen:</b>	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> 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

The clone OTH-74D4, a mouse monoclonal antibody, recognizes a 220 kD 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.

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