

CD44 (Hermes-3)

Analyte Specific Reagent (ASR)*

Type	Number of tests	Volume per test (μL)	Total volume (μL)	Catalog number
APC	50	5	250	4081042
	100	5	500	4081045

Antigen:	CD44
Immunogen:	CD44 recombinant protein
Host/Isotype:	Mouse, IgG2a,κ
Reactivity:	Human
Purity:	>90% pure tested via polyacrylamide gel electrophoresis (PAGE)
Formulation:	PBS, pH7.2, 0.09% NaN ₃ and 0.2% (w/v) BSA
Storage:	Store at 2-8°C and protected from prolonged exposure to light. Do not freeze.
Applications:	Flow Cytometry.

Antigen Information

The clone Hermes-3 selectively binds to the 80-95 kDa type I glycosylated trans membrane surface protein known as CD44 or Hermes. It is a receptor for hyaluronic acid (HA) and strongly expressed by all leukocytes, epithelial cells, endothelial cells, hepatocytes, mesenchymal cells. CD44 is also called extracellular matrix receptor type III and has functional roles in cell migration, lymphocyte homing and adhesion during hematopoiesis and activation.

References

1. Barclay AN, et al. 1997. *The Leukocyte Antigen FactsBook* Academic Press.
2. Picker LJ, et al. 1989. *J Immunol.* 1989; 142:2046.
3. Dalchau R. 1989. *Leucocyte Typing IV: White Cell Differentiation Antigens.* Oxford University Press; p622.
4. Haynes BF, et al. 1989. *Immunol Today.* 10:423
5. Haynes BF, et al. 1991. *Cancer Cells* 3:347.

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