Caprico Biotechnologies

TECHNICAL DATA SHEET

CD44 (Hermes-3)

Type	Size	Catalog number
Unconjugated	100µg	108101
	500µg	108103
FITC	25 tests	108114
	100 tests	108115
	200 tests	108116
PE	25 tests	108124
	100 tests	108125
	200 tests	108126
APC	25 tests	108144
	100 tests	108145
	200 tests	108146

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 (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 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.

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Terms and Conditions

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

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