

For Research Use Only

APC Anti-Mouse CD44 (IM7)

Catalog Number: **APC-65117**



Basic Information

Catalog Number: APC-65117	GenBank Accession Number: BC051388	Purification Method: Affinity purification
Size: 100ug, 0.2 mg/ml	GeneID (NCBI): 12505	CloneNo.: IM7
Source: Rat	Full Name: CD44 antigen	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Isotype: IgG2b, kappa		

Applications

Tested Applications:
FC

Species Specificity:
Human, Mouse

Background Information

CD44 is a type I transmembrane glycoprotein expressed on embryonic stem cells and in various levels on other cell types including connective tissues and bone marrow. CD44 expression is also upregulated in subpopulations of cancer cells and is recognized as a molecular marker for cancer stem cells (PMID: 29747682). It is a cell-surface receptor that mediates cell-cell and cell-matrix interactions through its affinity for hyaluronic acid (HA) and possibly also through its affinity for other ligands (PMID: 10694938). Adhesion with HA plays an important role in cell migration, tumor growth and progression. CD44 is also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis.

Storage

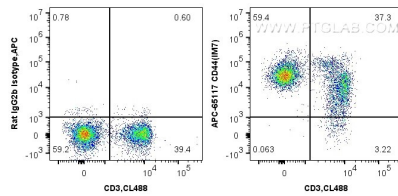
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% sodium azide and 0.5% BSA.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



1X10⁶ mouse splenocytes were surface co-stained with CoraLite® Plus 488 Anti-Mouse CD3 (17A2) and 0.1 ug APC Anti-Mouse CD44 (APC-65117, Clone: IM7) or 0.1 ug APC-Rat IgG2b isotype control. Cells were not fixed.