

For Research Use Only

# FITC Plus Anti-Mouse CD44 (IM7)

Catalog Number: FITC-65117 **2 Publications**



## Basic Information

Catalog Number:

FITC-65117

Size:

100ug, 0.5 mg/ml

Source:

Rat

Isotype:

IgG2b, kappa

GenBank Accession Number:

BC051388

GeneID (NCBI):

12505

UNIPROT ID:

P15379

Full Name:

CD44 antigen

Purification Method:

Affinity purification

CloneNo.:

IM7

Excitation/Emission maxima wavelengths:

495 nm / 524 nm

## Applications

Tested Applications:

FC

Cited Applications:

FC

Species Specificity:

Mouse

Cited Species:

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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Kunxiang Gong	38733440	Discov Oncol	FC
Jiwon Oh	35297179	Small	FC

## Storage

Storage:

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

Storage Buffer:

PBS with 0.09% sodium azide.

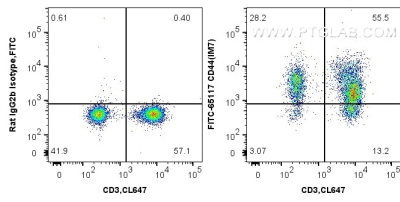
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## Selected Validation Data



1X10<sup>6</sup> mouse splenocytes were surface co-stained with Anti-Mouse CD3 and 0.5 ug FITC Anti-Mouse CD44 (FITC-65117, Clone:IM7) or 0.5 ug Control Antibody. Cells were not fixed.