

For Research Use Only

# FITC Plus Anti-Human CD44 Rabbit Recombinant Antibody

Catalog Number: FITC-98333-3



## Basic Information

Catalog Number:

FITC-98333-3

Size:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1057

GenBank Accession Number:

NM\_000610.3

GeneID (NCBI):

960

ENSEMBL Gene ID:

ENSG00000026508

UNIPROT ID:

P16070-1

Full Name:

CD44 molecule (Indian blood group)

Calculated MW:

82 kDa

Purification Method:

Protein A purification

CloneNo.:

242345G9

Recommended Dilutions:

FC: 5 µl per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

495 nm / 524 nm

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

## 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 0.09% sodium azide and 0.5% BSA, pH7.3

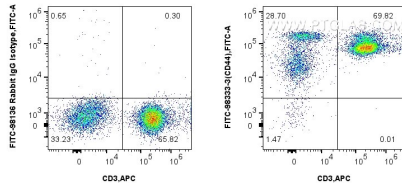
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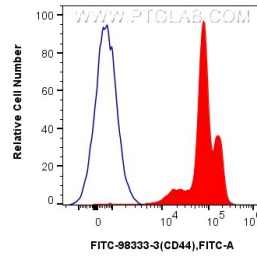
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with APC Anti-Human CD3, and 5 ul FITC Plus Anti-Human CD44 Rabbit RecAb (FITC-98333-3, Clone: 242345G9) or FITC Plus Rabbit IgG Isotype Control RecAb (FITC-98136, Clone: 240953C9). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul FITC Plus Anti-Human CD44 Rabbit RecAb (FITC-98333-3, Clone: 242345G9) (red) or FITC Plus Rabbit IgG Isotype Control RecAb (FITC-98136, Clone: 240953C9) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.