

For Research Use Only

# Anti-Human CD44 (F10-44-2) Rabbit IgG Recombinant Antibody, PBS Only



Catalog Number: 65502-1-PBS

## Basic Information

Catalog Number:

65502-1-PBS

Size:

1mg, 1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC004372

GeneID (NCBI):

960

ENSEMBL Gene ID:

ENSG00000026508

Full Name:

CD44 molecule (Indian blood group)

Calculated MW:

742 aa, 82 kDa

Purification Method:

Affinity purification

CloneNo.:

F10-44-2

## Applications

Tested Applications:

FC

Species Specificity:

Human

## 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 -80°C. Stable for one year after shipment.

Storage Buffer:

PBS only

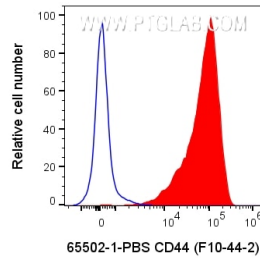
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

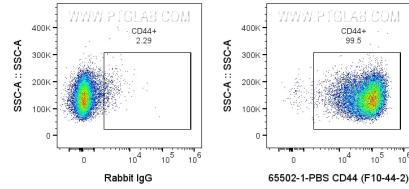
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.1 ug Anti-Human CD44 Rabbit Recombinant Antibody (65502-1-PBS, Clone:F10-44-2) or Rabbit IgG control Rabbit PolyAb and CoraLite®647-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000. Cells were not fixed. Lymphocytes were gated.



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