For Research Use Only

# CoraLite® Plus 750 Anti-Human CD44 (F10-44-2) Mouse IgG2a Recombinant Antibody

Catalog Number:CL750-65608

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

## Basic Information

Catalog Number:
CL750-65608

Concentration:
100tests, 5 μl/test

Source:
Mouse

Isotype:
IgG2a

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:
Protein A purification

CloneNo.:
F10-44-2

Recommended Dilutions:
FC: 5 ul per 10^6 cells in 100 μl suspension

Excitation/Emission maxima wavelengths:
755 nm / 780 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.

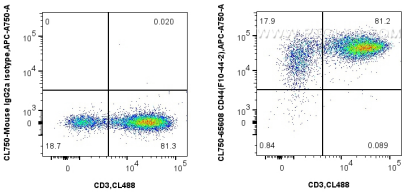
## Storage

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

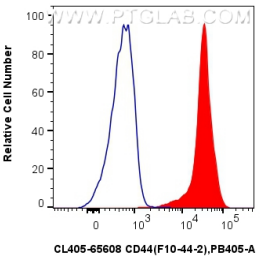
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data




1x10^6 human PBMCs were surface stained with CoraLite® Plus 488 Anti-Human CD3 and 5 ul CoraLite® Plus 750 Anti-Human CD44 (F10-44-2) Mouse IgG2a Recombinant Antibody (CL750-65608, Clone: F10-44-2) (right), or CoraLite® Plus 750 Mouse IgG2a Isotype Control (C1.18.4) (CL750-65208, Clone: C1.18.4) (left). Cells were not fixed. Lymphocytes were gated.




1x10^6 human PBMCs were surface stained with 5 ul CoraLite® Plus 750 Anti-Human CD44 (F10-44-2) Mouse IgG2a Recombinant Antibody (CL750-65608, Clone: F10-44-2) (red), or CoraLite® Plus 750 Mouse IgG2a Isotype Control (C1.18.4) (CL750-65208, Clone: C1.18.4) (blue). Cells were not fixed. Lymphocytes were gated.