CoraLux Violet 510 Anti-Mouse CD44 Rabbit Recombinant Antibody

Catalog Number:CLV510-98359-2

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Uni-rAb
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Basic Information

Catalog Number:
CLV510-98359-2

Concentration:
100ug, 500 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG3159

GenBank Accession Number:
NM_009851.2

GeneID (NCBI):
12505

UNIPROT ID:
NP_033981

Full Name:
CD44 antigen

Calculated MW:
86 kDa

Purification Method:
Protein A purification

CloneNo.:
242666F8

Recommended Dilutions:
FC: 0.25 ug per 10^6 cells in a 100 μl suspension

Excitation/Emission maxima wavelengths:
410 nm / 501 nm

Applications

Tested Applications:
FC

Species Specificity:
mouse

Positive Controls:
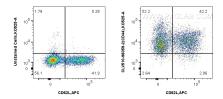FC : mouse splenocytes,

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.
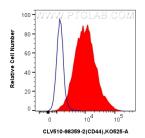
Storage

Storage:
Store at 2-8℃. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

Selected Validation Data

1x10^6 mouse splenocytes were surface stained with APC Anti-Mouse CD62L, and 0.25 ug CoraLux Violet 510 Anti-Mouse CD44 Rabbit RecAb (CLV510-98359-2, Clone: 242666F8) or unstained. Cells were not fixed.

1x10^6 mouse splenocytes were surface stained with 0.25 ug CoraLux Violet 510 Anti-Mouse CD44 Rabbit RecAb (CLV510-98359-2, Clone: 242666F8) (red) or unstained (blue). Cells were not fixed.