Leader in Biomolecular Solutions for Life Science

PE Rabbit anti-Human CD44 mAb

Catalog No.: A24419

Recombinant

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Basic Information

Observed MW
Refer to figures

Calculated MW
82kDa

Category
Monoclonal Antibodies

Applications
FC

Cross Reactivity
Human, Cynomolgus

Clone No.
ARC52412

Background

The protein encoded by this gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis.

Recommended Dilutions

FC	5 µl per 10^6 cells in 100 µl volume

Immunogen Information

Gene ID
960

Swiss-Prot
P16070

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
CD44; CDW44; CSPG8; ECMR-III; HCELL; HUTCH-I; IN; LHR; MC56; MDU2; MDU3; MIC4; Pgp1; CD44 antigen

Contact

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Product Information

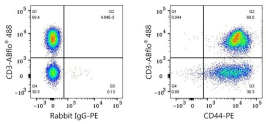
Source
Rabbit

Isotype
IgG

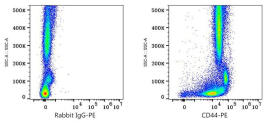
Purity
Affinity purification

Storage
Store at 2-8℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Flow cytometry:1X10^6 Human PBMC were surface-stained with ABflo® 488 Rabbit anti-Human/Monkey CD3 mAb (A26283,5 µl/Test) and PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or PE Rabbit anti-Human CD44 mAb (A24419,5 µl/Test,right). Cells in the lymphocyte gate were used for analysis.



Flow cytometry: 1X10^6 Cynomolgus peripheral blood mononuclear cells were surface-stained with PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or PE Rabbit anti-Human CD44 mAb (A24419,5 µl/Test,right).