ICAM-1/CD54 Rabbit mAb

Catalog No.: A25857 Recombinant



Basic Information

Observed MW

95kDa

Calculated MW

60kDa

Category

Primary antibody

Applications

WB,IHC-P,FC,ELISA

Cross-Reactivity

Rat

CloneNo number

ARC66078

Background

Enables integrin binding activity. Involved in several processes, including cellular response to cytokine stimulus; cellular response to lipid; and gonad development. Located in cell surface; extracellular space; and plasma membrane. Used to study diabetic angiopathy; mesenteric vascular occlusion; nephritis; pre-eclampsia; and uveitis. Biomarker of several diseases, including cerebrovascular disease (multiple); colitis (multiple); kidney failure (multiple); lung disease (multiple); and pancreatitis (multiple). Human ortholog(s) of this gene implicated in several diseases, including autoimmune disease (multiple); biliary atresia; diabetic retinopathy; inflammatory bowel disease (multiple); and liver cirrhosis. Orthologous to human ICAM1 (intercellular adhesion molecule 1).

Recommended Dilutions

WB 1:5000 - 1:20000

IHC-P 1:200 - 1:800

FC 1:500 - 1:1000

ELISA Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

Immunogen Information

Gene ID25464

Swiss Prot
Q00238

Immunogen

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

Synonyms

CD54; ICAM

Contact

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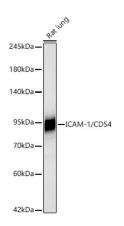
Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Western blot analysis of lysates from Rat lung using ICAM-1/CD54 Rabbit mAb (A25857) at 1:5000 dilution incubated overnight at 4° C.

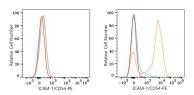
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

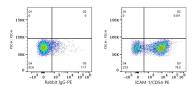
Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

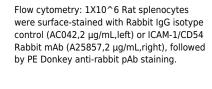
Detection: ECL Basic Kit (RM00020).

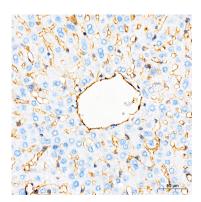
Exposure time: 30s.



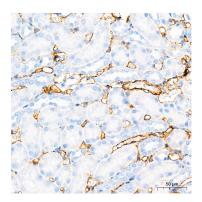


Flow cytometry: 1X10^6 293T cells (negative control,left) and Rat splenocytes (right) were surface-stained with ICAM-1/CD54 Rabbit mAb (A25857,2 µg/mL,orange line) or Rabbit IgG isotype control (AC042,2 µg/mL,blue line), followed by PE Donkey anti-rabbit pAb staining. Nonfluorescently stained cells were used as blank control (red line).





Immunohistochemistry analysis of paraffinembedded Rat liver tissue using ICAM-1/CD54 Rabbit mAb (A25857) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Rat kidney tissue using ICAM-1/CD54 Rabbit mAb (A25857) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.