

PE anti-Mouse/Rat CD29 mAb

Catalog No.: A25666

Basic Information

Observed MW

Refer to figures

Calculated MW

88kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse, Rat

CloneNo number

ACC0005

Conjugate

PE. Ex:565nm. Em:574nm.

Recommended Dilutions

FC The suggested use of this reagent is $\leq 0.25 \mu\text{g}$ per 10^6 cells in $100 \mu\text{l}$ volume.

Background

Enables integrin binding activity. Contributes to laminin binding activity. Involved in several processes, including basement membrane organization; cellular response to low-density lipoprotein particle stimulus; and receptor internalization. Acts upstream of or within with a negative effect on reactive gliosis and regulation of spontaneous synaptic transmission. Acts upstream of or within several processes, including cell morphogenesis involved in differentiation; regulation of ion transmembrane transport; and striated muscle cell differentiation. Located in several cellular components, including Schaffer collateral - CA1 synapse; intercalated disc; and myelin sheath abaxonal region. Part of integrin alpha7-beta1 complex. Is integral component of synaptic membrane. Colocalizes with cytoplasmic vesicle and perinuclear region of cytoplasm. Is expressed in several structures, including alimentary system; brain; genitourinary system; heart; and limb. Used to study Hirschsprung's disease. Orthologous to human ITGB1 (integrin subunit beta 1).

Immunogen Information

Gene ID

16412/24511

Swiss Prot

P09055

Immunogen

Recombinant protein

Synonyms

CD29; Fnrb; gpIIa; Gm9863; 4633401G24Rik

Contact

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Product Information

Source

Armenian Hamster

Isotype

Armenian Hamster IgG

Purification

Affinity purification

Storage

Store at 4°C. Avoid freeze / thaw cycles.

Buffer: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide