
Anti-Integrin β 3

Cat #: HM1197
Mouse monoclonal IgG
0.2 μ g/ μ l, store at 4 °C

For research use only

BACKGROUND

Integrins are heterodimeric proteins made up of alpha and beta subunits. At least 18 alpha and 8 beta subunits have been described in mammals. Integrins are involved in cell adhesion and recognition in a variety of processes including embryogenesis, hemostasis, tissue repair, immune response and metastatic diffusion of tumor cells. Integrin beta 3 is found along with the alpha IIb chain in platelets.

SPECIFICITY

This antibody reacts with the integrin β 3 heavy chain (also designated CD49c) of mouse, rat and human origin by Western blotting and immunohistochemistry.

IMMUNOGEN

A recombinant peptide at the carboxy terminus of the heavy chain of human integrin β 3.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

1. van Kuppevelt, T.H., Languino, L.R., Gailit, J.O., Suzuki, S. and Ruoslahti, E. (1989) An alternative cytoplasmic domain of the integrin beta 3 subunit. Proc. Natl. Acad. Sci. U.S.A. 86 (14), 5415-5418.
2. Hynes, R.O. 1992. Integrins: versatility, modulation, and signaling in cell adhesion. Cell 69: 11-25.
3. Clark, E.A. and Brugge, J.S. 1995. Integrins and signal transduction pathways: the road taken. Science 268: 233-239.
4. Miyamoto, S., Akiyama, S.K., and Yamada, K.M. 1995. Synergistic roles for receptor occupancy and aggregation in integrin transmembrane function. Science 267: 883-885.
5. Sheppard, D. 1996. Epithelial integrins. BioEssays 18: 655-660.
6. Rolli, M., Fransvea, E., Pilch, J., Saven, A. and Felding-Habermann, B. (2003) Activated integrin α v β 3 cooperates with metalloproteinase MMP-9 in regulating migration of metastatic breast cancer cells. Proc. Natl. Acad. Sci. U.S.A. 100, 9482-9487.
7. Podolnikova, N.P., Yakubenko, V.P., Volkov, G.L., Plow, E.F. and Ugarova, T.P. (2003) Identification of a novel binding site for platelet integrins α IIb β 3 (GPIIb/IIIa) and

alpha 5 beta 1 in the gamma C-domain of fibrinogen. J. Biol. Chem. 278 (34), 32251-32258.

PRODUCT FROM HYPROMATRIX, INC.**A. AntibodyArray™s:**

1. Signal Transduction AntibodyArray™
Catalog Number HM3000
2. Apoptosis AntibodyArray™
Catalog Number HM4000
3. Cell Cycle AntibodyArray™
Catalog Number HM5000

B. Staining AntibodyArray™s

1. Staining AntibodyArray™ I
Catalog Number HM8100
2. AntibodyArray Staining Apparatus
Catalog Number HM8000

C. Antibodies**1. HRP-conjugated antibodies**

- anti-phosphotyrosine
Catalog Number HM2040
- anti-phosphoserine
Catalog Number HM2070
- anti-phosphothreonine
Catalog Number HM2090

and more...

2. Primary antibodies

Hypromatrix offers a variety of high quality antibodies. For a complete list of antibodies and their specificities, please visit our web site at www.hypromatrix.com.

CONTACT

Hypromatrix, Inc.
100 Barber Avenue
Worcester, MA 01606
USA

Tel: 508-856-7900
Fax: 508-302-0748
Email: contact@hypromatrix.com
Web: www.hypromatrix.com