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#4749

Integrin Antibody Sampler Kit

1 Kit (7 x 20 microliters)

For Research Use Only. Not for Use in Diagnostic Procedures.

Product Includes	Product #	Quantity	Mol. Wt	Isotype/Source
Integrin $\alpha 5$ Antibody	4705	20 μ l	150 kDa	Rabbit
Integrin αV Antibody	4711	20 μ l	135, 140 kDa	Rabbit
Integrin $\beta 4$ (D8P6C) XP [®] Rabbit mAb	14803	20 μ l	210 kDa	Rabbit IgG
Integrin $\alpha 4$ (D2E1) XP [®] Rabbit mAb	8440	20 μ l	70, 140, 150, kDa	Rabbit IgG
Integrin $\beta 1$ (D2E5) Rabbit mAb	9699	20 μ l	115, 135 kDa	Rabbit IgG
Integrin $\beta 3$ (D7X3P) XP [®] Rabbit mAb	13166	20 μ l	100 kDa	Rabbit IgG
Integrin $\beta 5$ (D24A5) Rabbit mAb	3629	20 μ l	90 kDa	Rabbit IgG
Anti-rabbit IgG, HRP-linked Antibody	7074	100 μ l		Goat

Please visit cellsignal.com for individual component applications, species cross-reactivity, dilutions, protocols, and additional product information.

Description

The Integrin Antibody Sampler Kit provides an economical means to screen samples for α and β subunits of integrin molecules. The kit includes enough primary and secondary antibody to perform two Western blot experiments with each antibody.

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C . Do not aliquot the antibody.

Background

Integrins are α/β heterodimeric cell surface receptors that play a pivotal role in cell adhesion and migration, as well as in growth and survival (1,2). The integrin family contains at least 18 α and 8 β subunits that form 24 known integrins with distinct tissue distribution and overlapping ligand specificities (3). Integrins not only transmit signals to cells in response to the extracellular environment (outside-in signaling), but also sense intracellular cues to alter their interaction with the extracellular environment (inside-out signaling) (1,2).

Background References

- Liu, S. et al. (2000) *J Cell Sci* 113 (Pt 20), 3563-71.
- Hood, J.D. and Cheresch, D.A. (2002) *Nat Rev Cancer* 2, 91-100.
- van der Flier, A. and Sonnenberg, A. (2001) *Cell Tissue Res* 305, 285-98.

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