

## Product datasheet for **BM6024P**

### CD49c / CD49f (B Isoform specific) Mouse Monoclonal Antibody [Clone ID: PB36]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	PB36
Applications:	IF, IHC, WB
Recommended Dilution:	Suitable for <b>Immunoblotting, Immunocytochemistry, Immunohistochemistry on frozen tissues.</b> <i>Recommended Dilutions:</i> 1/50-1/100 for Immunohistochemistry with avidin-biotinylated horseradish peroxidase complex (ABC) as detection reagent, and 1/100-1/500 for Immunoblotting applications.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	PB36 is a mouse monoclonal IgG1, k antibody derived by fusion of SP2/0 mouse myeloma cells with spleen cells from a BALB/c mouse immunized with a synthetic peptide corresponding to a 32 amino acid stretch in the cytoplasmic domain of integrin $\alpha$ 3B including an appending N-terminal cysteine coupled to keyhole limpet hemocyanin.
Specificity:	This antibody recognizes the cytoplasmic domain of integrin subunits $\alpha$ 3B and $\alpha$ 6B. PB36 reacts with the basement membrane zone and endothelial cells in skin, tubuli in kidney and all vascular and capillary endothelia in brain and heart. A broad species reactivity is expected because of the conserved nature of the epitope.
Formulation:	PBS with 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freeze-thaw cycles.
Stability:	Shelf life: One year from despatch.



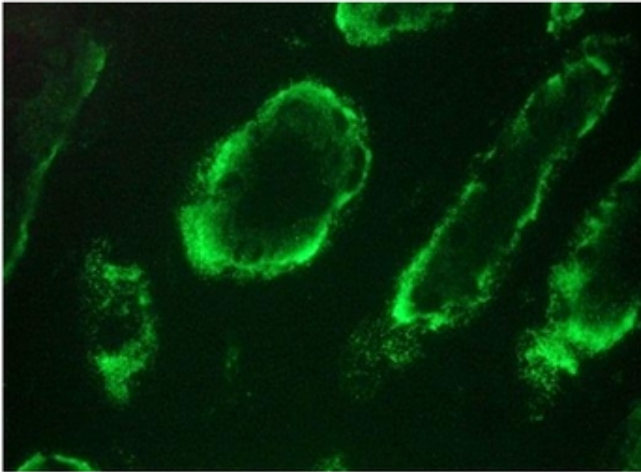
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**Background:**

Integrins are a family of heterodimeric membrane glycoproteins consisting of non-covalently associated  $\alpha$  and  $\beta$  subunits. More than 18  $\alpha$  and 8  $\beta$  subunits with numerous splice variant isoforms have been identified in mammals. In general, integrins function as receptors for extracellular matrix proteins. Certain integrins can also bind to soluble ligands or to counter-receptors on adjacent cells, such as the intracellular adhesion molecules (ICAMs), resulting in aggregation of cells. Signals transduced by integrins play a role in many biological processes, including cell growth, differentiation, migration and apoptosis. For integrin subunits  $\alpha 3$  and  $\alpha 6$ , two cytoplasmic variants, A and B, have been identified.

**Synonyms:**

Integrin  $\alpha 3B$  / Integrin  $\alpha 6B$

**Product images:**


Immunohistochemistry on frozen section of Human kidney