



Biotinylated Anti-mouse Integrin β 6 Antibody

ORDERING INFORMATION

Catalog Number: BAF2389

Lot Number: UNK01

Size: 50 μ g

Formulation: 0.2 μ m filtered solution in PBS with BSA

Storage: -20° C

Reconstitution: sterile 0.1% BSA in TBS

Specificity: mouse Integrin β 6 extracellular domain

Immunogen: CHO cell-derived rmIntegrin β 6 extracellular domain

Ig Type: goat IgG

Applications: Western blot
Immunocytochemistry

Preparation

Produced in goats immunized with purified, CHO cell-derived, recombinant mouse Integrin beta 6 (rmIntegrin β 6) extracellular domain. Mouse Integrin β 6 specific IgG was purified by mouse Integrin β 6 affinity chromatography and then biotinylated. Integrin β 6 is a type I transmembrane Integrin β subunit that heterodimerizes with α V subunits in the epithelial restricted integrin α V/ β 6. The extracellular domain of mouse Integrin β 6 contains a collagen binding von-Willebrand factor A domain and multiple truncated EGF-like motifs. Mouse Integrin β 6 extracellular domain shares 96% and 91% amino acid sequence identity with the corresponding regions of the rat and human protein, respectively.

Formulation

Lyophilized from a 0.2 μ m filtered solution in phosphate-buffered saline (PBS) containing 50 μ g of bovine serum albumin (BSA) per 1 μ g of antibody.

Reconstitution

Reconstitute with sterile Tris-buffered saline pH 7.3 (20 mM Trizma base, 150 mM NaCl) containing 0.1% BSA. If 1 mL of buffer is used, the antibody concentration will be 50 μ g/mL.

Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody has been selected for use as a detection antibody in the applications listed below.

Applications

Western Blot - This antibody can be used at 0.1 - 0.2 μ g/mL with the appropriate secondary reagents to detect mouse Integrin β 6. The detection limit for rmIntegrin β 6 is approximately 5 ng/lane and 20 ng/lane under non-reducing and reducing conditions, respectively. In this format, this antibody shows approximately 5% cross-reactivity with rmIntegrin β 1, rmIntegrin β 2 and rmIntegrin β 3.

Immunocytochemistry - This antibody will detect Integrin β 6 in cells. The working dilution is 5 - 15 μ g/mL. For chromogenic detection of labeling, use R&D Systems' Cell and Tissue Staining Kits (CTS Series).

Optimal dilutions should be determined by each laboratory for each application.