



Integrin α V β 3 (human)

Description

Human integrin α V β 3, affinity purified, lyophilized (vitronectin receptor, CD51/CD61, ITGAV, DKFZp686A08142, MSK8, VNRA)

Catalog Number 357

Amount 5 μ g

Source

Human placenta. Product was tested and found negative for HIV and Hepatitis B

Purity

SDS-PAGE with silver staining at least 95%. Two major bands corresponding to α V (145 kDa) and β 3 (92 kDa) subunits (non-reduced conditions). A minor band (170 kDa) corresponds to β 3 subunit disulphide dimer.

Format

Lyophilized from solution containing: 0.21 mg/ml α V β 3, 20 mM Tris-HCl pH 7.5, 150 mM NaCl, 2 mM MgCl₂, 0.2% Triton X-100

Purification

Affinity chromatography with immobilized monoclonal anti- α V β 3 antibodies. A tissue detergent extract, which was applied to the column was prepared as described in (Belkin et al. 1990, J. Cell. Biol. 111:2159-2170)

Applications

Integrin α V β 3 interacts with vitronectin, von Willebrand factor, fibronectin and fibrinogen in RGD dependent ELISA test. This format of α V β 3 is appropriate for functional evaluation.

- Standard for electrophoresis, immunoblotting and ligand binding
- In vitro binding experiments with metalloproteinase MMP-2

Reconstitution

Water. Keep reconstituted protein at -70°C. Avoid repeated freeze-thaw cycles

Storage

Lyophilized product: shipping at ambient temperature, long-term storage at -20°C.
Reconstituted protein: 1 year at -70°C

RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, DRUG OR HOUSEHOLD USE