



## HUMAN INTEGRIN alphaVbeta3 TRITON X-100 FORMULATION PURIFIED PROTEIN

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<b>CATALOG NUMBER:</b>	<b>CC1018</b>	<b>QUANTITY:</b>	25 µg
<b>LOT NUMBER:</b>		<b>CONCENTRATION:</b>	xxx µg/mL
<b>ALTERNATE NAMES:</b>	CD51/CD61		
<b>DESCRIPTION:</b>	Integrin αVβ3 is purified from human placenta by affinity chromatography using immobilized monoclonal antibodies to αVβ3 integrin. A tissue detergent extract, which was applied to the column was prepared as previously described (Belkin, 1990).		
<b>PURITY:</b>	> 95%: Nonreduced 7.5% PAAG stained with Silver stain shows major bands at 92 kDa (beta3 subunit), 145 kDa (alphaV subunit) and a minor band at 170 kDa (beta3 subunit dimer).		
<b>APPLICATIONS:</b>	Electrophoresis Immunoblotting Functional Studies Useful for <i>in vitro</i> binding experiments with metalloproteinase MMP-2 . <i>Optimal working dilutions must be determined by the end user.</i>		
<b>ACTIVITY:</b>	Functional activity confirmed by interaction of integrin alphaV/beta3 with vitronectin, von Willebrand Factor, fibrinogen, and fibronectin in RGD-dependent ELISA testing.		
<b>PRESENTATION:</b>	Purified protein in 20mM Tris-HCl, pH 7.5, 150mM NaCl, 2mM MgCl <sub>2</sub> , containing approximately 0.2% Triton X-100. No preservatives.		
<b>STORAGE/HANDLING:</b>	Maintain at -70°C in undiluted aliquots. Avoid repeated freeze/thaw cycles.		
<b>REFERENCES:</b>	Ratnikov, BI et al. (2002). An Alternative Processing of Integrin alphaV Subunit in Tumor Cells by Membrane Type-1 Matrix Metalloproteinase. <i>J Biol Chem.</i> <b>277(8)</b> : 7377-7385.  Belkin, V.M. et al. (1996). <i>Biochem. and Mol. Biol. Inter.</i> <b>40</b> : 53-60.  Belkin, V.M. et al. (1990). <i>J. Cell Biol.</i> <b>111</b> : 2159-2170.  Petela, R. et. al. (1987). <i>Methods Enzymol.</i> <b>144</b> : 475- 489.		

**Important Note:** *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface to dislodge any liquid in the container's cap.*

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