



HUMAN INTEGRIN α V β 3 TRITON X-100 FORMULATION PURIFIED PROTEIN

CATALOG NUMBER:	CC1019	QUANTITY:	50 μ g
LOT NUMBER:		CONCENTRATION:	xxx μ g/mL
ALTERNATE NAMES:	CD51/CD61		
DESCRIPTION:	Integrin α V β 3 is purified from human placenta by affinity chromatography using immobilized monoclonal antibodies to α V β 3 integrin. A tissue detergent extract, which was applied to the column was prepared as previously described (Belkin, 1990).		
PURITY:	> 95%: Nonreduced 7.5% PAAG stained with Silver stain shows major bands at 92 kDa (β 3 subunit), 145 kDa (α V subunit) and a minor band at 170 kDa (β 3 subunit dimer).		
APPLICATIONS:	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>		
ACTIVITY:	Functional activity confirmed by interaction of integrin α V/ β 3 with vitronectin, von Willebrand Factor, fibrinogen, and fibronectin in RGD-dependent ELISA testing.		
PRESENTATION:	Purified protein in 20mM Tris-HCl, pH 7.5, 150mM NaCl, 2mM MgCl ₂ , containing approximately 0.2% Triton X-100. No preservatives.		
STORAGE/HANDLING:	Maintain at -70°C in undiluted aliquots. Avoid repeated freeze/thaw cycles.		
REFERENCES:	Ratnikov, BI et al. (2002). An Alternative Processing of Integrin α V Subunit in Tumor Cells by Membrane Type-1 Matrix Metalloproteinase. <i>J Biol Chem.</i> 277(8) : 7377-7385. Belkin, V.M. et al. (1996). <i>Biochem. and Mol. Biol. Inter.</i> 40 : 53-60. Belkin, V.M. et al. (1990). <i>J. Cell Biol.</i> 111 : 2159-2170. Petela, R. et. al. (1987). <i>Methods Enzymol.</i> 144 : 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 μ L or less, we recommend gently tapping the vial on a hard surface to dislodge any liquid in the container's cap.*

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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28820 Single Oak Drive • Temecula, CA 92590
Technical Support: T: 1-800-MILLIPORE (1-800-645-5476) • F: 1-800-437-7502
www.millipore.com