

ANTI-INTEGRIN alphaV, clone AV1 MONOCLONAL ANTIBODY

CATALOG NUMBER:	MAB2021Z	QUANTITY:	500 µL
LOT NUMBER:		CONCENTRATION:	~110 µg/mL Ms IgG by ELISA, will vary with lot
ALTERNATE NAMES:	CD51; VNRA; ITGAV	EPITOPE:	extracellular
CLONE NAME:	AV1	HOST/ISOTYPE:	Ms IgG1
BACKGROUND:	AlphaV integrins comprise a subset sharing a common alphaV subunit combined with 1 of 5 beta subunits (beta-1, -3, -5, -6, or -8). All or most alphaV integrins recognize the sequence RGD in a variety of ligands. The mature receptor consists of alphaV protein in combination with one of the 5 beta integrin proteins given above. The mature receptors can then bind a variety of ECM and cellular proteins such as vitronectin, fibronectin, osteopontin, bone sialoprotein, thrombospondin, fibrinogen, vonWillebrand factor, tenascin, and agrin) and, in the case of alphaVbeta8, laminin and type IV collagen.		
SPECIFICITY:	Specific for human integrin alphaV, other species not tested. Clone has blocking activity and reacts only with native or non-reduced integrin alphaV samples.		
APPLICATIONS:	<u>Flow cytometry:</u> 1:5-1:50 <u>Western Blot:</u> Under non-reducing conditions, recognizes a band at approximately 165 kDa, corresponding to integrin alphaV. Does not recognize the reduced protein. <u>Function-blocking of integrin alphaV-mediated adhesion to ECM proteins:</u> 1:5-1:50; in HEPES buffer pH 7.4 containing 1mM Mn++ and 1mM Mg++).		
SPECIES REACTIVITY:	Reacts with Human. Reactivity with other species is not confirmed.		
IMMUNOGEN:	Whole human integrin alphaVbeta3 heterodimer isolated from placenta.		
CONTROL:	MDA-MB-435 cancer cell membrane lysates, or endothelial cells expressing integrin alphaVbeta3		
PRESENTATION:	Unpurified tissue culture supernatant consisting of RPMI media with 18% FBS and no preservatives. Material is centrifuged to remove cell debris but is not filtered; small undefined precipitates may be present after thawing. Centrifuge before use.		
STORAGE/HANDLING:	Aliquot upon first thaw. Store at -20°C in tightly sealed aliquots. Avoid multiple freeze/thaw cycles. Once thawed, material is stable for 30 days at 4°C. Use sterile techniques as antibody solution is a rich media containing no preservatives.		

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals

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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 or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

For research use only; not for use as a diagnostic.

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