

Anti-ITGAV Neutralizing Antibody (V3S-0822-YC1902)

Cat. No.: V3S-0822-YC1902

Summary

Description	This product is a mouse monoclonal antibody provided by Creative Biolabs. The antibody is capable of recognizing integrin subunit alpha V. It can be used for ITGAV detection in Inhibition Assay (Inhib), Immunocytochemistry (ICC), Immunofluorescence (IF), Blocking (Block), Flow Cytometry (FC), Enzyme-Linked Immunosorbent Assay (ELISA), Immunoprecipitation (IP). The antibody is expressed in mammalian cells (293F or CHO) with antibody encoding genes and purified by affinity chromatography. Each lot of this antibody is quality control tested by SDS-PAGE and SEC-HPLC analysis. For highly sensitive assays, we recommend the ultra purified form of the product, which has a lower endotoxin limit than standard antibody, less than 1 EU/mg or even 0.1 EU/mg.
Clonality	Monoclonal
Host Species	Mouse
Target Species	Human
Immunogen	Purified full length human native protein.
Isotype	IgG1
Isotype Control	C60052; C51237
Secondary Antibody	C47504; C37557; C41360; C32672; C10001; C52760; C17603; C65740

Property

Conjugation	Unconjugated
Purity	>95%, determined by SDS-PAGE
Purification	Protein G purified
Storage	Store at 4°C within one or two weeks. Store at -20°C for long term. Avoid repeated freeze/thaw cycles. Refer to the COA file for specifics.

Applications

Application	Inhib; ICC; IF; Block; FC; ELISA; IP
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For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

Target

Target	ITGAV
Alternative Name	ITGAV; integrin subunit alpha V; CD51; MSK8; VNRA; VTNR
Gene ID	3685
UniProt	P06756
Introduction	ITGAV belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha subunit and a beta subunit that function in cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha V subunit. This subunit associates with beta 1, beta 3, beta 5, beta 6 and beta 8 subunits. The heterodimer consisting of alpha V and beta 3 subunits is also known as the vitronectin receptor. This integrin may regulate angiogenesis and cancer progression. Note that the integrin alpha 5 and integrin alpha V subunits are encoded by distinct genes.
Research Area	Cardiovascular; Signal Pathway
Proceedings of R&D	Diseases associated with ITGAV include West Nile Virus and Herpes Simplex. Among its related pathways are MET promotes cell motility and Integrin Pathway. Gene Ontology (GO) annotations related to this gene include protease binding and voltage-gated calcium channel activity. An important paralog of this gene is ITGA8.

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