



Anti-ITGAV monoclonal antibody, clone 23C6 (CABT-48149MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse anti Human CD51/CD61 antibody, clone 23C6 recognizes the intact complex formed between the CD51 and CD61 molecules (alpha V and beta 3 integrins). This complex binds vitronectin at the RGD sequence and can also bind fibrinogen, von Willebrand factor, thrombospondin, fibronectin, osteopontin and collagen. Mouse anti Human CD51/CD61 antibody, clone 23C6 reacts with osteoclasts, placenta, melanoma cell lines and weakly with platelets. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.
Specificity	CD51/CD61
Immunogen	Osteoclasts from osteoclastomas
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Chicken
Clone	23C6
Conjugate	Unconjugated
Applications	IHC-Fr; FC; IP
Format	Purified IgG - liquid
Size	100 µg
Preservative	See individual product datasheet
Storage	in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend

GENE INFORMATION

Gene Name	ITGAV integrin, alpha V [Homo sapiens (human)]
Official Symbol	ITGAV
Synonyms	ITGAV; integrin, alpha V; CD51; MSK8; VNRA; VTNR; integrin alpha-V; integrin alphaVbeta3; vitronectin receptor subunit alpha; antigen identified by monoclonal antibody L230; integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51); CD51/C
Entrez Gene ID	3685
Protein Refseq	NP_001138471
UniProt ID	P05106
Chromosome Location	2q31-q32
Pathway	Adaptive Immune System; Antigen processing-Cross presentation; Arrhythmogenic right ventricular cardiomyopathy; Arrhythmogenic right ventricular cardiomyopathy (ARVC); Axon guidance; Cell adhesion molecules (CAMs); Cell surface interactions at the vascular wall; Class I MHC mediated antigen processing & presentation;
Function	extracellular matrix binding; extracellular matrix protein binding; fibronectin binding; contributes_to insulin-like growth factor I binding; metal ion binding; contributes_to opsonin binding; protease binding; protein binding; contributes_to protein kinase C binding; transforming growth factor beta binding; virus receptor activity; voltage-gated calcium channel activity;