

Anti-alpha-V integrin [EM01309] Standard Size Ab00887-13.12

This chimeric human antibody was made using the variable domain sequences of the original Rabbit IgG format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG4-S228P, Kappa

Clone Number: EM01309

Alternative Name(s) of Target: CD51; Vitronectin receptor subunit alpha; αv

UniProt Accession Number of Target Protein: P06756

Published Application(s): WB, ELISA, FC, IHC

Published Species Reactivity: Human

Immunogen: This antibody was raised by immunising rabbits, isolating B cells from the immunised rabbits and fusing these with a rabbit plasmacytoma cell line (established by Spieker-Polet et al., 1995) to produce stable hybridomas

Specificity: This pan- αv antibody is specific for the extracellular domain (amino acids 31 - 992) of the αv chain in all αv -containing heterodimeric complexes.

Application Notes: This pan- αv -specific antibody has been used to detect αv integrin chains using ELISA and on Western blots (Goodman et al, 2012), and to specifically stain αv integrins in FFPE/TMA material (Goodman et al, 2012; Silginer et al, 2016; Roth et al, 2013). Murine antibodies are typically unable to detect FFPE-embedded integrins.

Antibody First Published in: Goodman et al. Matched rabbit monoclonal antibodies against αv -series integrins reveal a novel $\alpha v\beta 3$ -LIBS epitope, and permit routine staining of archival paraffin samples of human tumours Biol Open. 2012 Apr 15; 1(4): 329-340. [PMID:23213423](#)

Note on publication: Describes the generation and characterisation of this antibody.

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.