

Anti-alpha V beta 6 integrin [EM05201] Standard Size Ab00891-13.12

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: EM05201

Alternative Name(s) of Target: $\alpha\text{v}\beta 6$; Vitronectin receptor subunit alpha; CD51; ITGB6; Integrin beta-6; P06756; P18564; avb6

UniProt Accession Number of Target Protein:

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 antibody is specific for the extracellular domain of human recombinant transmembrane-truncated (DTM) $\alpha\text{v}\beta 6$ integrin, a dimeric cell surface protein that mediates cell attachment. $\alpha\text{v}\beta 6$ integrin promotes the activation of latent TGF- β .

Application Notes: This antibody has been used to specifically bind $\alpha\text{v}\beta 6$ in Western blots and in flow cytometry, and to specifically stain $\alpha\text{v}\beta 6$ integrins in FFPE (formalin fixed paraffin embedded)/TMA material, where murine antibodies function poorly (Goodman et al, 2012; Heß et al., 2014; Roth et al, 2013). This revealed $\alpha\text{v}\beta 6$ to be strongly expressed in samples of invasive ductal breast adenoma, colorectal carcinoma, and NSCLC.

Antibody First Published in: Goodman et al. Matched rabbit monoclonal antibodies against αv -series integrins reveal a novel $\alpha\text{v}\beta 3$ -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.