

## Anti-alpha V beta 8 integrin [EM13309] Bulk Size Ab00892-13.12-BT

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:** EM13309

**Alternative Name(s) of Target:**  $\alpha v\beta 8$ ; Vitronectin receptor subunit alpha; CD51; Integrin beta-8; ITGB8; P06756; P26012; avb8

**UniProt Accession Number of Target Protein:**

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

**Published Species Reactivity:** Human

**Immunogen:** This antibody was raised by immunizing rabbits, isolating B cells from the immunized 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)  $\alpha v\beta 8$  integrin, a dimeric cell surface protein that mediates cell attachment.  $\alpha v\beta 8$  integrin promotes the activation of latent TGF- $\beta$ , as well as inhibiting tumor cell growth.

**Application Notes:** This antibody has been used to specifically bind  $\alpha v\beta 8$  in Western blots and flow cytometry and to specifically stain  $\alpha v\beta 8$  integrins in FFPE (formalin-fixed paraffin-embedded) or TMA material, where murine antibodies function poorly (Goodman et al., 2012; PMID: 23213423) (Roth et al., 2013; PMID: 23378223) (Heß et al., 2014; PMID: 25305804).  $\alpha v\beta 8$  is weakly expressed in human tumor specimens and non-small-cell lung carcinoma, with some expression in ovarian carcinoma and melanoma cells.

**Antibody First Published in:** Goodman et al. Matched rabbit monoclonal antibodies against  $\alpha v$ -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:** The original publication describes the generation and characterization of this antibody.

## Product Form

**Size:** 500 µg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.