

Datasheet for ABIN6937590 **anti-CD51 antibody**



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Overview

Quantity:	100 µg
Target:	CD51 (ITGAV)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD51 antibody is un-conjugated
Application:	ELISA, Coating (Coat)

Product Details

Immunogen:	Osteoclasts from osteoclastomas
Clone:	23C6
Isotype:	IgG1 kappa
Specificity:	ITAGV encodes integrin alpha chain V. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. The I-domain containing integrin alpha V undergoes post-translational cleavage to yield disulfide-linked heavy and light chains, that combine with multiple integrin beta chains to form different integrins. Among the known associating beta chains (beta chains 1,3,5,6, and 8; 'ITGB1', 'ITGB3', 'ITGB5', 'ITGB6', and 'ITGB8'), each can interact with extracellular matrix ligands; the alpha V beta 3 integrin, perhaps the most studied of these, is referred to as the Vitronectin Receptor (VNR). In addition to adhesion, many integrins are known to facilitate signal transduction. Alternative splicing results in multiple transcript variants. Reacts with Integrin Alpha V Beta 3. 23C6 may be useful for bone resorption modulation, osteoclast identification, receptor purification, malignant melanoma

Product Details

identification and treatment.

No Cross-Reactivity: Cow (Bovine), Pig (Porcine), Rabbit

Cross-Reactivity (Details): Human. Chicken. Does not react with Bovine or Pig or Rabbit.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: CD51 (ITGAV)

Alternative Name: ITGAV ([ITGAV Products](#))

Background: CD51, DKFZp686A08142, integrin alpha V beta 3, Integrin alpha-5 Integrin alpha-V light chain, integrin alphaVbeta3, integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51), ITGAV, Msk8, VNRA, VTNR, Vitronectin Receptor / CD51 / CD61
Cellular localisation: Cell Surface

Molecular Weight: 150-160kDa under non-reducing conditions. Under reducing conditions, it is cleaved into 2 bands of about 125-130kDa +20-25kDa.

Gene ID: 3685, 436873

UniProt: [P06756](#)

Pathways: [Cell-Cell Junction Organization](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Growth Factor Binding](#), [Integrin Complex](#)

Application Details

Application Notes: Known_Application: ELISA (For coating, order antibody without BSA), Optimal dilution for a specific application should be determined.

Positive_Control: Squamous cells, A375M melanoma cells. A549 cells.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C, -80 °C

Handling

Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months