

Datasheet for ABIN5540182 **anti-CD51 antibody**



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Overview

Quantity:	0.1 mg
Target:	CD51 (ITGAV)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD51 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Derived by fusion of SP2/0 mouse myeloma cells with spleen cells from a BALB/c mouse immunized with cultured melanoma cells derived from a Human melanoma metastasis.
Clone:	NKI-M7 (former AMF7)
Isotype:	IgG1
Specificity:	T-lymphocyte clones NKI-M7 detect a melanoma-associated proteoglycan (MW greater than 450-250 kDa) and a molecular complex, which under reducing conditions consists of 4 compounds of 120, 95, 29 and 25 kDa respectively. reacts with cultured melanomas melanomas in frozen sections. The antigen detected by is strongly associated with the adhesion and cytoplasmic spreading of melanoma cells to plastic surfaces and monolayers of vascular endothelial cells. blocks Fibronectin-induced chemotactic motility and chemokinesis of melanoma cells. In addition to their membrane localization, the antigens detected by NKI-M7 are abundant in extracellular adhesion plaques deposited by cultured melanoma cells. stains

Product Details

primary tumors heterogeneously, whereas metastases are homogeneously stained.

Purification: Purified

Target Details

Target: CD51 (ITGAV)

Alternative Name: cd51,itgav ([ITGAV Products](#))

Background: CD51 (Cluster of Differentiation 51), known as vitronectin receptor α chain, or integrin α V is a type I integral membrane glycoprotein. CD51 forms a heterodimer with integrin β 1 (CD29), β 3 (CD61), β 5, β 6, or β 8. CD51 contains two disulfide-linked subunits of 125 kD and 24 kD. Many extracellular matrix proteins with RGD-motifs are CD51 ligands. In association with its β chains, CD51 binds vitronectin, von Willebrand factor, fibronectin, thrombospondin, osteopontin, fibrinogen, and laminin. CD51, as an adhesion molecule, plays important roles in leukocytes homing and rolling, mediates bone absorption and angiogenesis. CD51 is expressed on endothelial cells, fibroblasts, macrophages, platelets, osteoclasts, neuroblastoma, melanoma, and hepatoma cells.

UniProt: [P06756](#)

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

Application Details

Application Notes: ELISA. Flow Cytometry. Immunoprecipitation. Immunohistochemistry on Frozen Sections.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Buffer System: PBS Preservatives: 0.09 % Sodium Azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated

Handling

freezing and thawing. Shelf life: one year from despatch.

Expiry Date: 12 months