

Datasheet for ABIN2660879
anti-CD51 antibody (Biotin)



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1 Image

Overview

Quantity:	100 µg
Target:	CD51 (ITGAV)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD51 antibody is conjugated to Biotin
Application:	Flow Cytometry (FACS)

Product Details

Clone:	NKI-M9
Isotype:	IgG2a kappa
Purification:	The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

Target Details

Target:	CD51 (ITGAV)
Alternative Name:	CD51 (ITGAV Products)
Background:	CD51 is a type I integral membrane glycoprotein, known as vitronectin receptor α chain, or integrin α V. It forms 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, and is expressed on endothelial cells, fibroblasts, macrophages, platelets, osteoclasts, neuroblastoma, melanoma, and

Target Details

hepatoma cells. 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.

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

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

Buffer: Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.

Preservative: Sodium azide

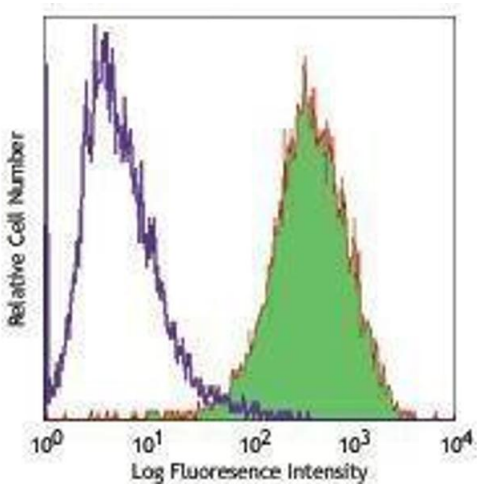
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Do not freeze.

Storage: 4 °C

Storage Comment: The antibody solution should be stored undiluted between 2°C and 8°C.

Images



Flow Cytometry

Image 1.