Datasheet for ABIN2661768

# anti-CD51 antibody (FITC)

1 Image

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## Overview

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

## Product Details

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

## Target Details

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| 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 αV. It forms heterodimer with integrin β1 (CD29), β3 (CD61), β5, β6, or β8. 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

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| | 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

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

## Handling

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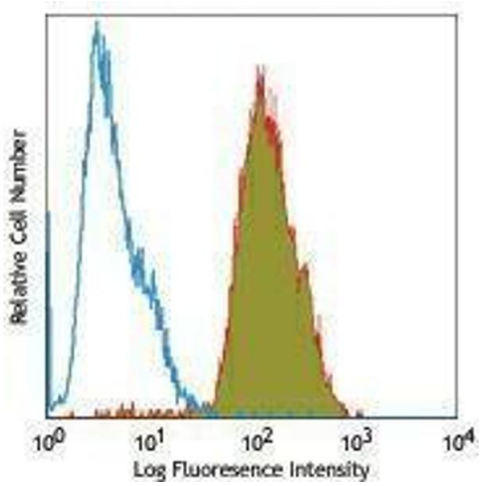
| Buffer: | Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide and 0.2 % (w/v) BSA . |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Protect from prolonged exposure to light. 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.**