

Datasheet for ABIN729347

**anti-Cadherin 5 antibody (AA 601-700) (Cy5)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                                |
| Target:              | Cadherin 5 (CDH5)                                                                                                                                     |
| Binding Specificity: | AA 601-700                                                                                                                                            |
| Reactivity:          | Human, Mouse, Rat                                                                                                                                     |
| Host:                | Rabbit                                                                                                                                                |
| Clonality:           | Polyclonal                                                                                                                                            |
| Conjugate:           | This Cadherin 5 antibody is conjugated to Cy5                                                                                                         |
| Application:         | Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)) |

## Product Details

|                   |                                                                                   |
|-------------------|-----------------------------------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic peptide derived from mouse vascular endothelial cadherin |
| Isotype:          | IgG                                                                               |
| Cross-Reactivity: | Human, Mouse, Rat                                                                 |
| Purification:     | Purified by Protein A.                                                            |

## Target Details

|                   |                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------|
| Target:           | Cadherin 5 (CDH5)                                                                         |
| Alternative Name: | VE Cadherin ( <a href="#">CDH5 Products</a> )                                             |
| Background:       | Synonyms: 7B4, Vec, VECD, Cd144, VEcad, VE-Cad, AA48225, Cadherin-5, Vascular endothelial |

## Target Details

cadherin, VE-cadherin, Cdh5

Background: Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells, cadherins may thus contribute to the sorting of heterogeneous cell types. This cadherin may play an important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions. Acts in concert with KRIT1 to establish and maintain correct endothelial cell polarity and vascular lumen. These effects are mediated by recruitment and activation of the Par polarity complex and RAP1B. Required for activation of PRKCZ and for localization of phosphorylated PRKCZ, PARD3, TIAM1 and RAP1B to the cell junction.

Gene ID: 12562

UniProt: [P55284](#)

Pathways: [Cell-Cell Junction Organization, Signaling Events mediated by VEGFR1 and VEGFR2](#)

## Application Details

Application Notes: FCM 1:20-100  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months