

Datasheet for ABIN7601830

## **anti-Cadherin 5 antibody (AA 48-272) (DyLight 488)**



[Go to Product page](#)

### Overview

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| Quantity:            | 100 µg                                                |
| Target:              | Cadherin 5 (CDH5)                                     |
| Binding Specificity: | AA 48-272                                             |
| Reactivity:          | Human                                                 |
| Host:                | Mouse                                                 |
| Clonality:           | Monoclonal                                            |
| Conjugate:           | This Cadherin 5 antibody is conjugated to DyLight 488 |
| Application:         | Flow Cytometry (FACS)                                 |

### Product Details

|                             |                                                                                                                                                                              |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:                    | Anti-Human VE-Cadherin CDH5 DyLight® 488 conjugated Antibody(monoclonal, 3D4)                                                                                                |
| Immunogen:                  | E. coli-derived human VE Cadherin recombinant protein (Position: D48-R272).                                                                                                  |
| Clone:                      | 3D4                                                                                                                                                                          |
| Isotype:                    | IgG1                                                                                                                                                                         |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins.                                                                                                                                     |
| Characteristics:            | Anti-Human VE-Cadherin CDH5 DyLight® 488 conjugated Antibody (monoclonal, 3D4) (ABIN7606684)-Dyl488. Tested in Flow Cytometry applications. This antibody reacts with Human. |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | Cadherin 5 (CDH5)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Alternative Name: | CDH5 ( <a href="#">CDH5 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Background:       | <p>Synonyms: Cadherin-5, 7B4 antigen, Vascular endothelial cadherin, VE-cadherin, CD144, CDH5</p> <p>Background: CDH5 (Cadherin 5), also known as VE-cadherin, is a type of cadherin. It is encoded by the human gene CDH5. This gene is mapped to 16q22.1 using somatic cell hybrid panels. Functioning as a classic cadherin by imparting to cells the ability to adhere in a homophilic manner, the protein may play an important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions. Therefore it was concluded that VE-cadherin serves the purpose of maintaining newly formed vessels.</p> |
| Molecular Weight: | 39 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene ID:          | 1003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| UniProt:          | <a href="#">P33151</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Pathways:         | <a href="#">Cell-Cell Junction Organization, Signaling Events mediated by VEGFR1 and VEGFR2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | <p>Flow Cytometry (Fixed), 1-3 µg/1x10<sup>6</sup> cells, human</p> <p>1. Huber, P., Dalmon, J., Engiles, J., Breviario, F., Gory, S., Siracusa, L. D., Buchberg, A. M., Dejana, E. Genomic structure and chromosomal mapping of the mouse VE-cadherin gene (Cdh5). Genomics 32: 21-28, 1996. 2. Kremmidiotis, G., Baker, E., Crawford, J., Eyre, H. J., Nahmias, J., Callen, D. F. Localization of human cadherin genes to chromosome regions exhibiting cancer-related loss of heterozygosity. Genomics 49: 467-471, 1998.</p> |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | Lot specific                                                                                                           |
| Buffer:            | Each vial contains 50 % glycerol, 0.9 % NaCl, 0.2 % Na <sub>2</sub> HPO <sub>4</sub> , 0.02 % 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:           | -20 °C                                                                                                                 |

## Handling

---

Storage Comment: At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.