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# **US Office**

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Research Use Only. Not for diagnostic or therapeutic use.

# EB12667 - Goat Anti-VE-cadherin Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

Principal Names: CDH5, cadherin 5, type 2 (vascular endothelium), 7B4, CD144, 7B4 antigen, VE-cadherin, cadherin 5, type 2, VE-cadherin (vascular epithelium), cadherin-5, cd144 antigen, endothelial-specific cadherin, vascular endothelial cadherin Official Symbol: CDH5 Accession Number(s): NP\_001786.2 Human GeneID(s): <u>1003</u>

#### Immunogen

Peptide with sequence C-KQARAHGKSVPE, from the internal region of the protein sequence according to NP\_001786.2.

Please note the peptide is available for sale.

## **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

# **Applications Tested**

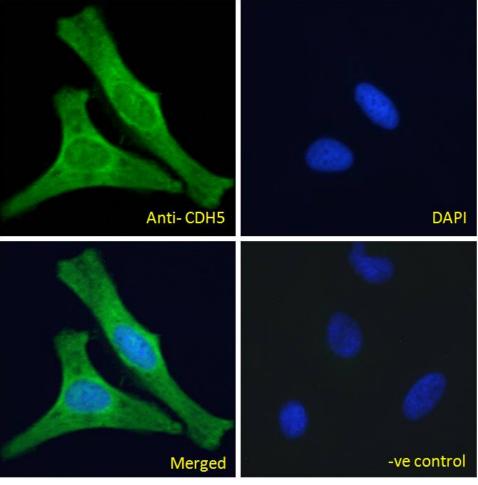
Peptide ELISA: antibody detection limit dilution 1:128000.

**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of HeLa cells. Recommended concentration: 10µg/ml.

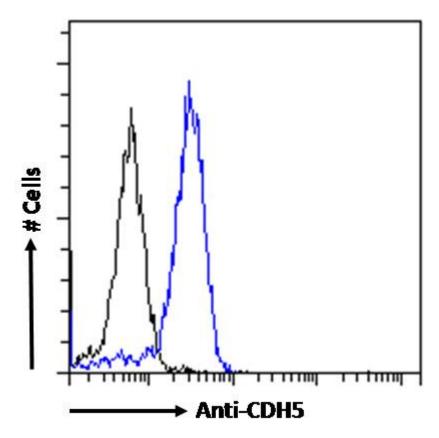
**Flow Cytometry:** Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

## **Species Reactivity**

Tested: Human Expected from sequence similarity: Human, Pig, Cow



EB12667 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB12667 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.