

Datasheet for ABIN7540430  
**anti-HVEM antibody (PE)**



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## Overview

|              |                                        |
|--------------|----------------------------------------|
| Quantity:    | 100 tests                              |
| Target:      | HVEM (TNFRSF14)                        |
| Reactivity:  | Human                                  |
| Host:        | Mouse                                  |
| Clonality:   | Monoclonal                             |
| Conjugate:   | This HVEM antibody is conjugated to PE |
| Application: | Flow Cytometry (FACS)                  |

## Product Details

|               |                                                                                                                                                                                        |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:      | Anti-Hu CD270 PE                                                                                                                                                                       |
| Immunogen:    | recombinant human CD270                                                                                                                                                                |
| Clone:        | CW10                                                                                                                                                                                   |
| Isotype:      | IgG1 kappa                                                                                                                                                                             |
| Specificity:  | The mouse monoclonal antibody CW10 recognizes an extracellular epitope on CD270, a type I transmembrane protein expressed on resting T cells, monocytes, and immature dendritic cells. |
| Purification: | Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions.<br>Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.       |

## Target Details

|         |                 |
|---------|-----------------|
| Target: | HVEM (TNFRSF14) |
|---------|-----------------|

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | CD270 ( <a href="#">TNFRSF14 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Background:       | <p>NCBI Full Gene Name: TNF receptor superfamily member 14</p> <p>Description: CD270 is a type I transmembrane protein of the TNFR superfamily, which is expressed on resting T cells, monocytes, and immature dendritic cells. Its ligands, CD258 and CD272, differ in effect on CD270 signaling. Whereas binding to CD258 provides a costimulatory signal, binding to CD272 gives to the cell an inhibitory signal. CD270 also is recognized by herpes simplex glycoprotein D. CD258-CD270 interaction and signaling is implicated in macrophage-derived foam cell-mediated development of atherosclerotic lesions.</p> <p>Other names: TNFRSF14, TR2, ATAR, HVEA, HVEM, LIGHTR</p> <p>Gene name: TNFRSF14</p> |
| Gene ID:          | 8764                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| UniProt:          | <a href="#">Q92956</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Pathways:         | <a href="#">Production of Molecular Mediator of Immune Response, Cancer Immune Checkpoints</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Application Details

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|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                     |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Buffer:            | Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM 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:           | 4 °C                                                                                                                   |
| Storage Comment:   | Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.                                               |