

Datasheet for ABIN918128

## anti-HVEM antibody (AA 51-150) (AbBy Fluor® 488)



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### Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | HVEM (TNFRSF14)                                                                                         |
| Binding Specificity: | AA 51-150                                                                                               |
| Reactivity:          | Human                                                                                                   |
| Host:                | Rabbit                                                                                                  |
| Clonality:           | Polyclonal                                                                                              |
| Conjugate:           | This HVEM antibody is conjugated to AbBy Fluor® 488                                                     |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |                                                              |
|-----------------------|--------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human TNFRSF14 |
| Isotype:              | IgG                                                          |
| Cross-Reactivity:     | Human                                                        |
| Predicted Reactivity: | Dog,Horse                                                    |
| Purification:         | Purified by Protein A.                                       |

### Target Details

|                   |                                                     |
|-------------------|-----------------------------------------------------|
| Target:           | HVEM (TNFRSF14)                                     |
| Alternative Name: | Tnfrsf14/Hvem ( <a href="#">TNFRSF14 Products</a> ) |

## Target Details

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target Type: | Viral Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Background:  | <p>Synonyms: Tumor necrosis factor receptor superfamily member 14, HVEM, ATAR, CD258, CD258 antigen, CD40 like protein precursor, Herpesvirus entry mediator A, Herpesvirus entry mediator, Herpesvirus entry mediator ligand, HVEA, HVEM, HVEM L, HVEM L, HVEM L, LIGHT, LIGHTR, TNFSF 14, TR2, Tumor necrosis factor receptor like gene2, TNFR14_HUMAN.</p> <p>Background: TNFRSF14 is a type I membrane protein belonging to the TNF receptor superfamily. This receptor mediates herpes virus entry into cells during infection. TNFRSF14 is able to inhibit the proliferation, activation, and cytokine production of T cells. It has an extracellular domain containing several cysteine-rich repeats and a short cytoplasmic region containing a TRAF (TNF receptor-associated factor) interaction domain. The extracellular domain of TNFRSF14 interacts with the herpes simplex virus envelope glycoprotein D. TNFRSF14 binds two cellular ligands: lymphotoxin alpha and LIGHT. LIGHT is a transmembrane protein expressed and shed from the surface of activated T cells, exhibits inducible expression, and competes with HSV glycoprotein D for HVEM, a receptor expressed by T lymphocytes. The LIGHT:TNFRSF14 interaction controls immune response functions by cell death induction as well as cell activation. TNFRSF14 is expressed by peripheral blood T cells, B cells, monocytes and in various tissues enriched in lymphoid cells.</p> |
| Gene ID:     | 8764                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Pathways:    | <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Cancer Immune Checkpoints</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Application Details

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>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                                                                                                     |

Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                          |