

## Mouse anti-Human TRAV12-1 Monoclonal Antibody | anti-TRAV12-1 antibody

Purified Anti-Human TRAV12-1 Antibody [S511]

|                               |                      |                            |                                                         |
|-------------------------------|----------------------|----------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA179732</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay</b> |
|-------------------------------|----------------------|----------------------------|---------------------------------------------------------|

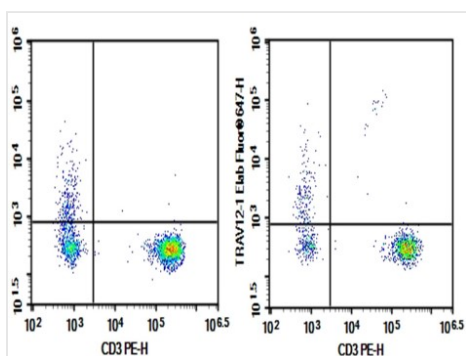
### PRODUCT SYNONYMS

TRAV12-1; Monoclonal Antibody; Purified Anti-Human TRAV12-1 Antibody [S511]; anti-TRAV12-1 antibody

### PRODUCT SPECIFICATIONS

|                                                    |                                                                                                                                              |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                               | Mouse                                                                                                                                        |
| Reactivity                                         | Human                                                                                                                                        |
| Clonality                                          | Monoclonal                                                                                                                                   |
| Isotype                                            | Mouse IgG2b, kappa                                                                                                                           |
| Clone Number                                       | S511                                                                                                                                         |
| Purity/Purification                                | >98% Protein A/G purified                                                                                                                    |
| Form/Format                                        | Phosphate buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling. |
| Applicable Applications for anti-TRAV12-1 antibody | FCM/FACS (Flow Cytometry)                                                                                                                    |
| Immunogen                                          | Recombinant Human TRAV12-1 protein                                                                                                           |
| Note                                               | Centrifuge before opening to ensure complete recovery of vial contents.                                                                      |
| Preparation and Storage                            | Store at 4 degree C valid for 12 months or -20 degree C valid for long term storage, avoid freeze/thaw cycles.                               |

### IMAGES



#### Application Data

Human peripheral blood lymphocytes were stained with 0.2ug Purified Anti-Human TRAV12-1 Antibody[S511] (Right) and 0.2ug mouse IgG2b,? Isotype Control (Left), followed by Fluor&reg; 647-conjugated goat Anti-mouse IgG Secondary Antibody, then anti-human CD3 PE-conjugated Monoclonal Antibody.

ADDITIONAL INFORMATION

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Related Product Information for anti-TRAV12-1 antibody | <p>The ability of T cell receptors (TCR) to discriminate foreign from self-peptides presented by major histocompatibility complex (MHC) class II molecules is essential for an effective adaptive immune response. TCR recognition of self-peptides has been linked to autoimmune disease. Mutant self-peptides have been associated with tumors. Engagement of TCRs by a family of bacterial toxins know as superantigens has been responsible for toxic shock syndrome. Autoantibodies to V beta segments of T cell receptors have been isolated from patients with rheumatoid arthritis (RA) and systemic lupus erythematosus (SLE). The autoantibodies block TH1-mediated inflammatory autodestructive reactions and are believed to be a method by which the immune system compensates for disease (ref5). T Cell and TCR Diversity Most human T cells express the TCR alpha-beta and either CD4 or CD8 molecule (single positive, SP). A small number of T cells lack both CD4 and CD8 (double negative, DN). Increased percentages of alpha-beta DN T cells have been identified in some autoimmune and immunodeficiency disorders. Gamma-delta T cells are primarily found within the epithelium. They show less TCR diversity and recognize antigens differently than alpha-beta T cells. Subsets of gamma-delta T cells have shown antitumor and immunoregulatory activity.</p> |
| Product Categories/Family for anti-TRAV12-1 antibody   | FC Purified Antibodies; Flow Cytometry Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                     |            |
|---------------------|------------|
| UniProt Accession # | A0A0B4J245 |
|---------------------|------------|

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/trav12-1-antibody-clone-s511-flow-cytometry-elisa/179732>