

## Mouse CD4 Monoclonal Antibody | anti-CD4 antibody

MOUSE ANTI HORSE CD4:FITC

|                              |                      |                                                         |
|------------------------------|----------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA50208</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay</b> |
|------------------------------|----------------------|---------------------------------------------------------|

### PRODUCT SYNONYMS

CD4; Monoclonal Antibody; MOUSE ANTI HORSE CD4:FITC; anti-CD4 antibody

### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Clonality                                     | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Isotype                                       | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Clone Number                                  | CVS4                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Form/Format                                   | FITC<br>Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid                                                                                                                                                                                                                                                                                                                                            |
| Concentration                                 | IgG concentration 0.1mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                        |
| Sequence Length                               | 71                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Applicable Applications for anti-CD4 antibody | FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                                                                                         |
| Perservative Stabilisers                      | 0.09% Sodium Azide (NaN <sub>3</sub> )<br>1% Bovine Serum Albumin<br>Preparation                                                                                                                                                                                                                                                                                                                                                  |
| Immunogen                                     | Equine Thymocytes<br>Fusion Partners                                                                                                                                                                                                                                                                                                                                                                                              |
| Target Species                                | Horse                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Preparation and Storage                       | Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.<br>Shelf Life: 18 months from date of despatch. |

### IMAGES



#### Application Data

Horse peripheral blood lymphocytes stained with Mouse anti Horse CD4:RPE



#### Application Data

Horse peripheral blood lymphocytes stained with Mouse anti Horse CD4:FITC (AAA50208)



#### Application Data

Horse peripheral blood lymphocytes stained with Mouse anti Horse CD4 followed by Goat anti Mouse IgG:FITC

## ADDITIONAL INFORMATION

### Related Product Information for anti-CD4 antibody

Mouse anti Horse CD4 antibody, clone CVS4 recognizes Equine CD4, a 58kDa cell surface glycoprotein that is primarily expressed on a subpopulation of T lymphocytes. As in humans, equine CD4 expression is mutually exclusive with CD8 expression on mature T-cells. A study undertaken using Mouse anti Horse CD4, clone CVS4 to identify CD4 on several wild african equid species indicates that the CVS4 clone recognizes Somali wild ass (*Equus asinus*) but not Grövy's Zebra (*E. grevyi*) or Hartmann's Mountain Zebra (*E. zebra*). In addition to the CVS4 clone, other CVS clones recognising equine cell surface and MHC antigen are available from AAA Biotech.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 3947700                                                                                           |
| NCBI GeneID                      | 920                                                                                               |
| UniProt Accession #              | Q13969; P01730                                                                                    |
| Molecular Weight                 | 7,844 Da                                                                                          |
| NCBI Official Full Name          | CD4, partial                                                                                      |
| NCBI Official Synonym Full Names | CD4 molecule                                                                                      |
| NCBI Official Symbol             | CD4                                                                                               |
| NCBI Official Synonym Symbols    | CD4mut                                                                                            |
| NCBI Protein Information         | T-cell surface glycoprotein CD4; CD4 antigen (p55); CD4 receptor; T-cell surface antigen T4/Leu-3 |
| UniProt Protein Name             | CD4 protein                                                                                       |
| UniProt Gene Name                | <b>CD4</b>                                                                                        |
| UniProt Entry Name               | Q13969_HUMAN                                                                                      |

**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://stage.aaabiotech.com/monoclonal/cd4-antibody-clone-cvs4-flow-cytometry-elisa/50208>