

## Mouse anti-Human CD247 Monoclonal Antibody | anti-CD247 antibody

CD247 Monoclonal Antibody (4B10)

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                                                                                         |
|-----------|-------|------------|----------------------------------------------------------------------------------------------------------------------|
| AAA319995 | Mouse | Human      | ELISA, Flow Cytometry, Functional Assay, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

CD247; Monoclonal Antibody; CD247 Monoclonal Antibody (4B10); T-cell surface glycoprotein CD3 zeta chain; CD3Z; T3Z; TCRZ; T-cell receptor T3 zeta chain; CD antigen CD247; anti-CD247 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                     |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                               |
| Reactivity                                      | Human                                                                                                                               |
| Clonality                                       | Monoclonal                                                                                                                          |
| Specificity                                     | CD247 Monoclonal Antibody detects endogenous levels of CD247 protein.                                                               |
| Purity/Purification                             | Affinity purification                                                                                                               |
| Form/Format                                     | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                             |
| Applicable Applications for anti-CD247 antibody | ELISA, FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| Immunogen                                       | Purified recombinant fragment of human CD247 expressed in E coli.                                                                   |
| Modification                                    | Unmodified/Total                                                                                                                    |
| Preparation and Storage                         | Store at -20 degree C/1 year                                                                                                        |

### IMAGES



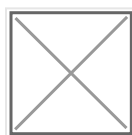
#### FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Jurkat cells using CD247 Monoclonal Antibody (green) and negative control (purple).



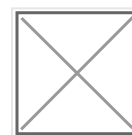
#### IF (Immunofluorescence)

Immunofluorescence analysis of K562 cells using CD247 Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye.



#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human Thymus tissues with AEC staining using CD247 Monoclonal Antibody.



#### WB (Western Blot)

Western Blot analysis using CD247 Monoclonal Antibody against CD247-hlgFc transfected HEK293 cell lysate.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CD247 antibody | The protein encoded by this gene is T-cell receptor zeta, which together with T-cell receptor alpha/beta and gamma/delta heterodimers, and with CD3-gamma, -delta and -epsilon, forms the T-cell receptor-CD3 complex. The zeta chain plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. Low expression of the antigen results in impaired immune response. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008] |
| Product Categories/Family for anti-CD247 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4557431                                                                                                                                                                                                                                    |
| NCBI GeneID                      | 919                                                                                                                                                                                                                                        |
| NCBI Accession #                 | NP_000725.1                                                                                                                                                                                                                                |
| NCBI GenBank Nucleotide #        | NM_000734.3                                                                                                                                                                                                                                |
| UniProt Accession #              | P20963; Q5VX13; Q8TAX4; B1AK49; A46461                                                                                                                                                                                                     |
| Molecular Weight                 | 18,696 Da                                                                                                                                                                                                                                  |
| NCBI Official Full Name          | T-cell surface glycoprotein CD3 zeta chain isoform 2                                                                                                                                                                                       |
| NCBI Official Synonym Full Names | CD247 molecule                                                                                                                                                                                                                             |
| NCBI Official Symbol             | CD247                                                                                                                                                                                                                                      |
| NCBI Official Synonym Symbols    | T3Z; CD3H; CD3Q; CD3Z; TCRZ; CD3-ZETA                                                                                                                                                                                                      |
| NCBI Protein Information         | T-cell surface glycoprotein CD3 zeta chain; CD3zeta chain; TCR zeta chain; CD247 antigen, zeta subunit; T-cell receptor T3 zeta chain; CD3Z antigen, zeta polypeptide (TiT3 complex); T-cell antigen receptor complex, zeta subunit of CD3 |
| UniProt Protein Name             | T-cell surface glycoprotein CD3 zeta chain                                                                                                                                                                                                 |
| UniProt Gene Name                | CD247                                                                                                                                                                                                                                      |
| UniProt Synonym Gene Names       | CD3Z; T3Z; TCRZ                                                                                                                                                                                                                            |
| UniProt Entry Name               | CD3Z_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd247-antibody-flow-cytometry-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/319995>