

Product datasheet for **AM06414SU-N**

CD247 Mouse Monoclonal Antibody [Clone ID: 4B10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4B10
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	ELISA: 1/10000. Western Blot: 1/500 - 1/2000. Flow Cytometry: 1/200 - 1/400. Immunofluorescence: 1/200 - 1/1000. Immunohistochemistry on Paraffin Sections: 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human CD247 expressed in E. Coli.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	18 kDa
Gene Name:	CD247 molecule
Database Link:	Entrez Gene 919 Human P20963



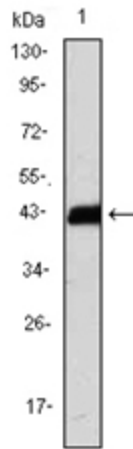
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Background:

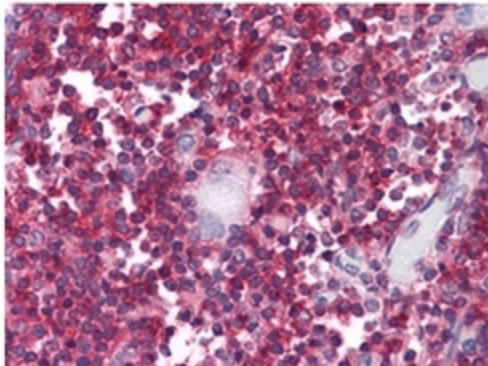
The protein encoded by this gene is T-cell receptor zeta, which together with T-cell receptor alpha/beta and gamma/delta heterodimers, and with CD3-gamma, -delta and -epsilon, forms the T-cell receptor-CD3 complex. The zeta chain plays an important role in coupling antigen recognition to several intracellular 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.

Synonyms:

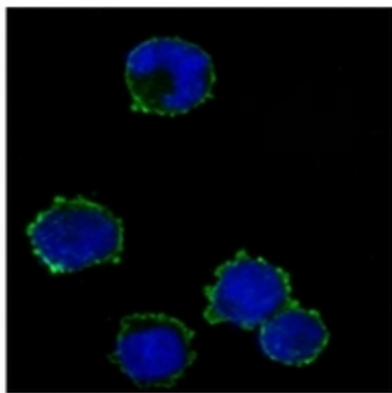
T3Z, TCRZ, CD3 zeta chain

Product images:

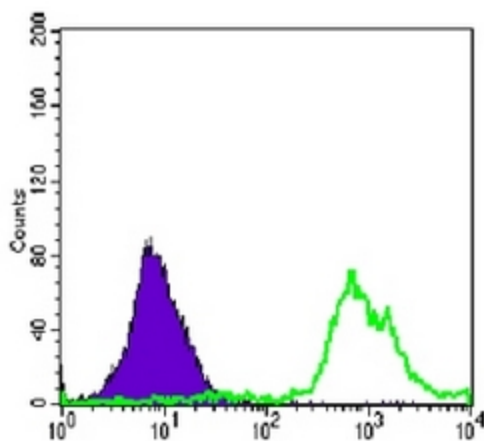
Western blot analysis using anti-CD247 antibody Cat.-No AM06414SU-N against CD247 (AA: 52-164)-hlgGfc transfected HEK293 cell lysate.



Immunohistochemical analysis of paraffin-embedded human Thymus tissues using anti-CD247 antibody Cat.-No AM06414SU-N



Immunofluorescence analysis of K562 cells using anti-CD247 antibody Cat.-No AM06414SU-N (green). Blue: DRAQ5 fluorescent DNA dye.



Flow Cytometric analysis of Jurkat cells using anti-CD247 antibody Cat.-No AM06414SU-N (green) and negative control (purple).