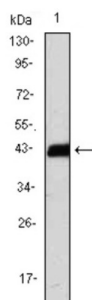
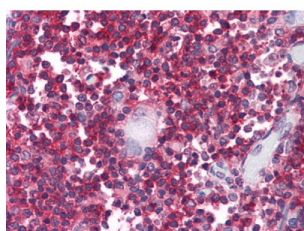


T-Cell Surface Glycoprotein CD3 Zeta Chain (CD247) Antibody

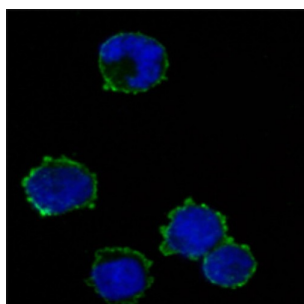
Catalogue No.: abx015796



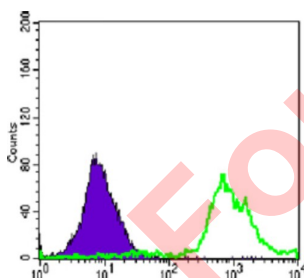
Western blot analysis using CD247 antibody against CD247 (AA: 52-164) -hlgGfC transfected HEK293 cell lysate.



Immunohistochemical analysis of paraffin-embedded human Thymus tissues using anti-CD247 antibody.



Immunofluorescence analysis of K562 cells using anti-CD247 antibody (green). Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of Jurkat cells using anti-CD247 antibody (green) and negative control (purple).

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.

Target:

T-Cell Surface Glycoprotein CD3 Zeta Chain (CD247)

Datasheet

Version: 3.0.0
Revision date: 02 May 2025



Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA, IHC, IF/ICC, FCM
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human CD247 expressed in E. coli.
Isotype:	IgG ₁
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P20963 (UniProt , ExPASy)
Gene Symbol:	CD247
GeneID:	919
OMIM:	186780
HGNC:	1677
Ensembl:	ENSG00000198821
Molecular Weight:	18 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.