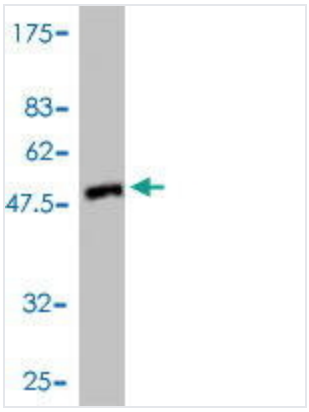
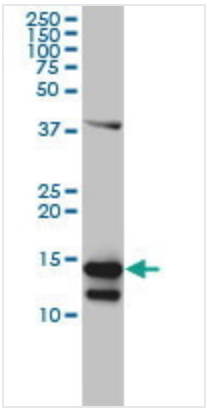
CD247 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD247, Monoclonal Antibody
Full Product Name	CD247 (T-cell Surface Glycoprotein CD3 zeta Chain, T-cell Receptor T3 zeta Chain, CD3Z, T3Z, TCRZ) (MaxLight 490)
Product Gene Name	anti-CD247 antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	4A12-F6
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human CD3Z.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	– Da
Immunogen	Full length recombinant corresponding to aa1-164 from human CD3Z with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MKWKALFTAAILQAQLPITEAQSFGLLDPKLCYLLDGILFIYGVILTALFLRVKFSRSADAPAYQQGQNQLYNELNLGRREEYDVLDKRRGRDPEMGGKPQ
Conjugate	MaxLight490
Product Categories/Family for anti-CD247 antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-CD247 antibody	FLISA, Immunohistochemistry (IHC) Paraffin, Immunoprecipitation (IP), Western Blot (WB)
Application Notes for anti-CD247 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CD247 antibody	MBS6199978 is an antibody targeting CD247. Also known as CD247 (T-cell Surface Glycoprotein CD3 zeta Chain, T-cell Receptor T3 zeta Chain, CD3
Other Notes	Small volumes of anti-CD247 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-CD247 antibody
Western Blot detection using against Immunogen (43.78kD).



Western Blot (WB) of anti-CD247 antibody
Western Blot analysis of CD3Z expression in Jurkat using.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD247. It may not necessarily be applicable to this product.

NCBI GI #	19344013
NCBI GeneID	919
NCBI Accession #	BC025703
NCBI Related Accession #	AAH25703
UniProt Secondary Accession #	Q5VX13; Q8TAX4; B1AK49
UniProt Related Accession #	P20963; A46461
NCBI Official Full Name	Homo sapiens CD247 molecule, mRNA
NCBI Official Synonym Full Names	CD247 molecule
NCBI Official Symbol	CD247
NCBI Official Synonym Symbols	T3Z; CD3H; CD3Q; CD3Z; TCRZ; IMD25; CD3-ZETA
Protein Family	T-cell surface glycoprotein
NCBI Protein Information	T-cell surface glycoprotein CD3 zeta chain
NCBI Summary for CD247	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]
Research Articles on CD247	**1.** Suggest 2'5'-oligoadenylate synthetase 2 mediates T-cell receptor CD3-zeta chain down-regulation via caspase-3 activation in oral cancer.
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