




Product datasheet

Anti-CD3 zeta antibody [H146-968] - BSA and Azide free ab119827

★★★★★ [6 Abreviews](#) [7 References](#) [2 Images](#)

Overview

Product name	Anti-CD3 zeta antibody [H146-968] - BSA and Azide free
Description	Armenian hamster monoclonal [H146-968] to CD3 zeta - BSA and Azide free
Host species	Armenian hamster
Tested applications	Suitable for: ICC, IP, WB, Flow Cyt
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Rabbit, Chicken, Pig 
Immunogen	Synthetic peptide corresponding to Mouse CD3 zeta aa 150-250. Database link: P20963  Run BLAST with  Run BLAST with
Positive control	WB: Murine splenocytes.
General notes	<p>This product was changed from ascites to tissue culture supernatant. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.40 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified

Purification notes	ab119827 is purified from cell culture supernatant by protein A affinity chromatography and 0.2 µm filter sterilized. Purity is > 95% by SDS-PAGE.
Clonality	Monoclonal
Clone number	H146-968
Isotype	IgG

Applications

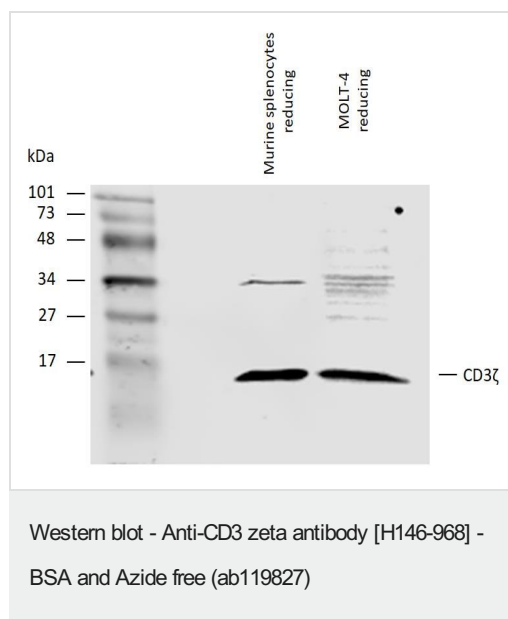
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab119827 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC	★★★★★ (1)	Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
WB		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 19 kDa.
Flow Cyt		Use at an assay dependent concentration. ab18479 - Armenian Hamster monoclonal IgG, is suitable for use as an isotype control with this antibody.

Target

Function	Probable role in assembly and expression of the TCR complex as well as signal transduction upon antigen triggering.
Involvement in disease	Defects in CD247 are the cause of immunodeficiency due to defect in CD3-zeta (CD3ZID) [MIM:610163]. An immunological deficiency characterized by T-cells impaired immune response to alloantigens, tetanus toxoid and mitogens.
Sequence similarities	Belongs to the CD3Z/FCER1G family. Contains 3 ITAM domains.
Domain	The ITAM domains mediate interaction with SHB.
Post-translational modifications	Phosphorylated on Tyr residues after T-cell receptor triggering.
Cellular localization	Membrane.

Images



All lanes : Anti-CD3 zeta antibody [H146-968] - BSA and Azide free (ab119827)

Lane 1 : Murine splenocytes

Lane 2 : MOLT-4 cell line

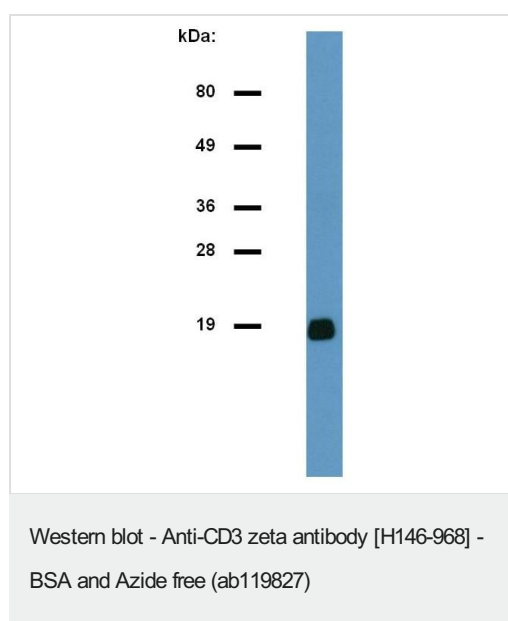
Secondary

Lane 1 : conjugated goat-anti-armenian hamster

Lane 2 : Alexa Fluor® 790-conjugated goat-anti-armenian hamster

Performed under reducing conditions.

Predicted band size: 19 kDa



Anti-CD3 zeta antibody [H146-968] - BSA and Azide free (ab119827) at 2 µg/ml + Murine Splenocytes

Performed under reducing conditions.

Predicted band size: 19 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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