

# Product Datasheet

## CD3 zeta [p Tyr142] Antibody (EM-54) - BSA Free NBP2-37708

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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**NBP2-37708**

CD3 zeta [p Tyr142] Antibody (EM-54) - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	EM-54
<b>Preservative</b>	0.9% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH 7.4)

**Product Description**

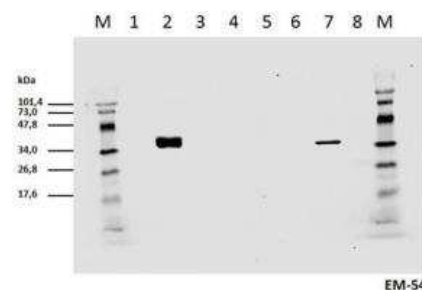
<b>Host</b>	Mouse
<b>Gene ID</b>	919
<b>Gene Symbol</b>	CD247
<b>Species</b>	Human, Mouse
<b>Specificity/Sensitivity</b>	Antibody recognizes phosphorylated tyrosine 142 of CD3 zeta chain (CD247), which is a component of TCR/CD3 complex expressed on T cells.
<b>Immunogen</b>	CP1 (pTyr142) - KLH.

**Product Application Details**

<b>Applications</b>	Western Blot, Flow Cytometry, Flow (Intracellular)
<b>Recommended Dilutions</b>	Western Blot 1 ug/ml, Flow Cytometry 1-4 ug/ml, Flow (Intracellular) 1-4 ug/ml

**Images**

Western Blot: CD3 zeta [p Tyr142] Antibody (EM-54) [NBP2-37708] - Analysis of cell lysates of HEK293T/17 cells transiently transfected with expression vectors harboring genes for mCD3zeta wild type and six different mCD3zeta mutants, where particular ITAM tyrosines were substituted with phenylalanines. The lysates (non-reducing conditions) were immunoblotted with mouse mAb anti-pY142 mCD3zeta (clone EM-54). 1: Wt mCD3zeta pervanadate non-stimulated 2: Wt mCD3zeta pervanadate stimulated 3: mut. mCD3zeta Y/F2-6 4: mut. mCD3zeta Y/F1 and 3-6 5: mut. mCD3zeta Y/F1-2 and 4-6 6: mut. mCD3zeta Y/F1-3 and 5-6 7: mut. mCD3zeta Y/F1-4 and 6 (thus only pY142 remains native) 8: mut. mCD3zeta Y/F1-5





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### **Products Related to NBP2-37708**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-22747	Recombinant Human CD3 zeta His Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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