

# Product Datasheet

## CD3 zeta [p Tyr72] Antibody (EM-26) - BSA Free NBP2-62193

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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Updated 9/9/2025 v.20.1

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**NBP2-62193**

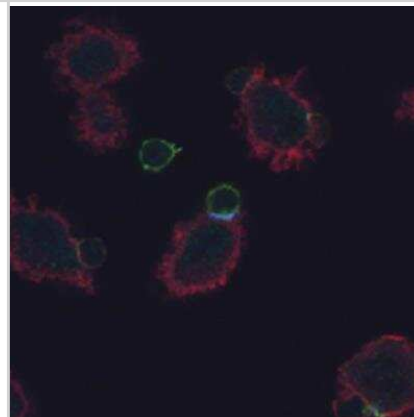
CD3 zeta [p Tyr72] Antibody (EM-26) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	EM-26
<b>Preservative</b>	15mM Sodium Azide
<b>Isotype</b>	IgG2b
<b>Purity</b>	Protein A purified
<b>Buffer</b>	Phosphate buffered saline (PBS), pH 7.4
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse CD3 zeta [p Tyr72] Antibody (EM-26) - BSA Free (NBP2-62193) is a monoclonal antibody validated for use in WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	919
<b>Gene Symbol</b>	CD247
<b>Species</b>	Human, Mouse
<b>Specificity/Sensitivity</b>	The mouse monoclonal antibody EM-26 recognizes phosphorylated intracellular tyrosine 72 of CD3 zeta chain (CD247), which is a component of TCR/CD3 complex expressed on T cells.
<b>Immunogen</b>	A phospho specific peptide corresponding to the amino acids surrounding tyrosine 72 of mouse CD3 zeta linked to KLH
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 2-5 ug/ml, Immunocytochemistry/ Immunofluorescence, Flow (Intracellular) 1-9 ug/ml

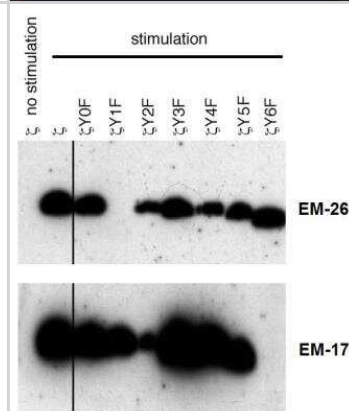


## Images

Immunocytochemistry/Immunofluorescence: CD3 zeta [p Tyr72] Antibody (EM-26) [NBP2-62193] - Detection of phosphorylated CD3 zeta (EM-26; light blue) in immunological synapse formed between the lymph node naive T cells from AND TCR transgenic mice and DCEK cells loaded with MCC peptide, after 20 min. Total CD3 zeta indicated in green, actin cytoskeleton in red.



Western Blot: CD3 zeta [p Tyr72] Antibody (EM-26) [NBP2-62193] - Reactivity of the monoclonal antibodies EM-26 (anti-CD3 zeta phospho-Tyr72) and EM-17 (anti-CD3 zeta phospho-Tyr153) with phosphorylated particular human CD3 zeta mutants. The Y1F and Y6F mutants lack phosphotyrosine 72 and 153, respectively.



### Anti-Hu CD3 zeta (p72) purified antibody (clone EM-26) specificity verification by flow cytometry

Anti-Hu CD3 zeta (pY72) purified antibody (concentration in sample 1 ug/ml, red-filled histogram) binds specifically to intracellular CD3 zeta (pY72) in pervanadate treated and then methanol permeabilized Jurkat cells (upper panel), but not to untreated methanol permeabilized Jurkat cells (lower panel). Level of non-specific binding was assessed using Mouse IgG1 isotype control PE (MOPC-21) under same conditions (concentration in sample 1 ug/ml, black-dashed histogram).





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### **Products Related to NBP2-62193**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)

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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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