

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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NBP2-62193

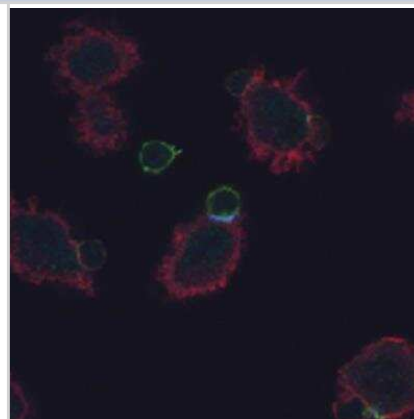
CD3 zeta [p Tyr72] Antibody (EM-26) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	EM-26
Preservative	15mM Sodium Azide
Isotype	IgG2b
Purity	Protein A purified
Buffer	Phosphate buffered saline (PBS), pH 7.4
Product Description	
Description	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.
Host	Mouse
Gene ID	919
Gene Symbol	CD247
Species	Human, Mouse
Specificity/Sensitivity	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.
Immunogen	A phospho specific peptide corresponding to the amino acids surrounding tyrosine 72 of mouse CD3 zeta linked to KLH
Product Application Details	
Applications	Western Blot, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 2-5 ug/ml, Immunocytochemistry/ Immunofluorescence, Flow (Intracellular) 1-9 ug/ml

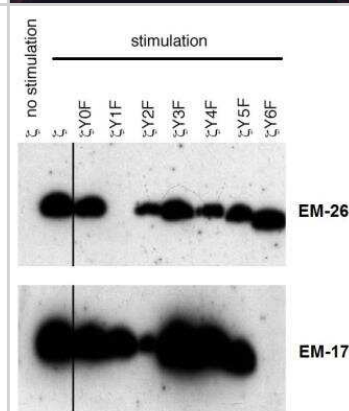


Images

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.

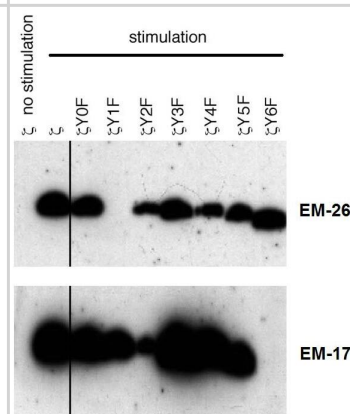


Western Blot: CD3 zeta [p Tyr72] Antibody (EM-26) [NBP2-62193] - Reactivity of the monoclonal antibodies EM-26 (anti-CD3 zeta phospho-Tyr72) and EM-17 (anti-CD3 zeta phospho-Tyr153) with phosphorylated particular human CD3 zeta mutants. The Y1F and Y6F mutants lack phosphotyrosine 72 and 153, respectively.



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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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NBP2-61462-20ug	Recombinant Human CD3 zeta His Protein

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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