

Product datasheet for **AM06115SU-N**

NPT Mouse Monoclonal Antibody [Clone ID: 4B4D1]

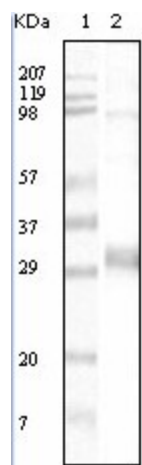
Product data:

Product Type:	Primary Antibodies
Clone Name:	4B4D1
Applications:	ELISA, WB
Recommended Dilution:	Western Blot: 1/500 - 1/2000. ELISA: 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of NPT expressed in E. Coli.
Specificity:	This antibody reacts to NPT.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Background:	Neomycin phosphotransferase II (nptII) gene is used in selection of transformed organisms. It was initially isolated from the transposon Tn5 that was present in the bacterium strain Escherichia coli K12. The gene codes for the aminoglycoside 3'-phosphotransferase (denoted aph(3')-II or NPTII) enzyme. NPTII is probably the most widely used selectable marker for plant transformation. It is also used in gene expression and regulation studies in different organisms in part because N-terminal fusions can be constructed that retain enzymatic activity. In animal cells, G418 and neomycin are used as selectable agents.



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Product images:



Western blot analysis using NPT mouse mAb against truncated NPT recombinant protein.