

Product datasheet for **AM09035PU-N**

Streptavidin Mouse Monoclonal Antibody [Clone ID: 1C2]

Product data:

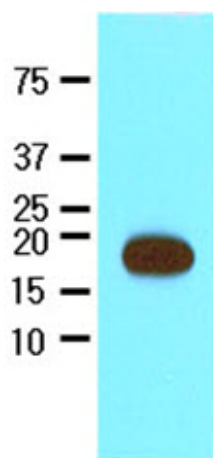
Product Type:	Primary Antibodies
Clone Name:	1C2
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western blot: 1/1,000-1/3,000.
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant Streptavidin (25-183 aa) purified from E. coli
Specificity:	The antibody recognizes Streptavidin, a tetrameric protein secreted by Streptomyces avidinii.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	<u>P22629</u>



Background: Streptavidin binds tightly to a small growth factor biotin. It finds wide use in molecular biology through its extraordinarily strong affinity for the vitamin biotin; the dissociation constant (K_d) of the biotin-streptavidin complex is on the order of $\sim 10^{-15}$ mol/L. The high affinity recognition of biotin and biotinylated molecules has made streptavidin one of the most important components in diagnostics and laboratory kits.

Synonyms: StAv

Product images:



Western blot analysis: Recombinant Streptavidin protein (17kDa) was resolved by SDS-PAGE, transferred to NC membrane and probed with anti-Streptavidin (1:2000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an EC