

## Product datasheet for **AM20223PU-N**

### Streptavidin Mouse Monoclonal Antibody [Clone ID: 36G3]

#### Product data:

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	36G3
<b>Applications:</b>	ELISA, IP, WB
<b>Recommended Dilution:</b>	<p><b>ELISA:</b> Use at 0.05 µg/ml</p> <p><b>Immunoblotting:</b> 0.5 µg/ml for HRPO/ECL detection.</p> <p><i>Recommended blocking buffer:</i> Casein/Tween 20 based blocking and blot incubation buffer AS00002BU-N or AS00002BU-L.</p> <p><b>Immunoprecipitation:</b> Use at 0.05–1 µg/ml.</p>
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Streptavidin
<b>Specificity:</b>	<p>This monoclonal antibody (Clone 36G3) binds the Tetrameric Streptavidin in liquid phase and in Immunoblot applications.</p> <p>The antibody has a very low affinity for monomeric Streptavidin.</p>
<b>Formulation:</b>	<p>1ml PBS, containing 0.09% Sodium Azide/PEG and Sucrose.</p> <p>State: Purified</p> <p>State: Lyophilized purified Ig fraction.</p>
<b>Reconstitution Method:</b>	Restore with 1 ml H <sub>2</sub> O (15 min, RT).
<b>Purification:</b>	Subsequent Ultrafiltration and Size Exclusion Chromatography.
<b>Conjugation:</b>	Unconjugated



**Storage:** For long-term storage, freeze lyophilizate upon arrival ( $-20^{\circ}\text{C}$ ).  
Upon reconstitution, aliquote and freeze in liquid nitrogen; reconstituted antibody can be stored frozen at  $-80^{\circ}\text{C}$  up to 1 year.  
Avoid repeated freeze / thaw cycles.  
Thaw aliquots at  $37^{\circ}\text{C}$ . Thawed aliquots may be stored at  $2-8^{\circ}\text{C}$  up to 3 months.

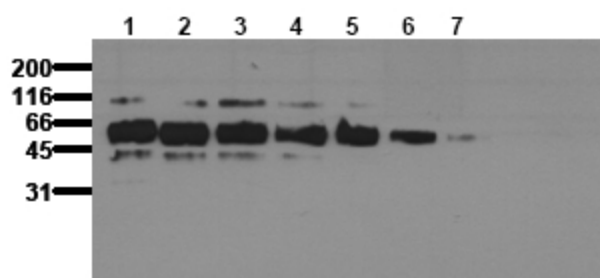
**Database Link:** [P22629](#)

**Background:** Streptavidin is a tetrameric protein that 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

**Note:** **Molecular Weight:** 60 kDa (Tetramer)

### Product images:



Antibody Sensitivity: Streptavidin (10ng/lane) was separated by non-reducing SDS-PAGE and transferred to PVDF membranes. Immunoblots were probed with AM20223PU-N Streptavidin antibody (Clone 36G3) for 1h at RT and developed by ECL (exp. time: 30 sec).  
Lane