

# Mouse Monoclonal Antibody to

## Streptavidin

### clone 36G3

**Order No.:** 0183-100/Strep-36G3  
**Size (µg)** 100  
**Lot No.:** 0183S



01/050307F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1		WB, ELISA, IP	60 kDa (Tetramer)			Streptavidin

#### Background and Specificity:

Streptavidin is a tetrameric protein that binds with high affinity biotin and biotinylated proteins.

Mab 36G3 binds the tetrameric Streptavidin in liquid phase and in immunoblot applications. The antibody has a very low affinity for monomeric Streptavidin.

#### Related Products

**Purification:** The antibody was purified from serum-free cell culture supernatant by subsequent ultrafiltration and size exclusion chromatography.

**Formulation:** lyophilized from 1 ml PBS / 0.09 % Na-azide / PEG and Sucrose

**Reconstitution:** Reconstitute with 1 ml H<sub>2</sub>O (15 min, RT).

**Stability:** For long-term storage, freeze lyophilizate upon arrival (-20°C). Upon reconstitution, aliquote and freeze in liquid nitrogen; reconstituted antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.

**Avoid repeated freeze / thaw cycles.**

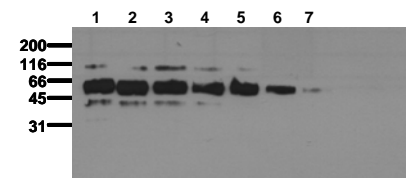
**Positive Control:** none

**Immunoblotting:** 0.5 µg/ml for HRPO/ECL detection.  
**Recommended blocking buffer:** Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT

**Immunoprecipitation:** use at 0.05 - 1 µg/ml

**Immunocytochemistry:** ND

**ELISA:** use at 0.05 µg/ml



**Antibody sensitivity**  
 Streptavidin (10ng/lane) was separated by non-reducing SDS-PAGE and transferred to PVDF membranes. Immunoblots were probed with mab 36G3 for 1h at RT and developed by ECL (exp. time: 30 sec).  
 lane 1: (1 µg/ml) , lane 2: (0.5µg/ml) , lane 3: (0.25µg/ml) , lane 4: (0.1 µg/ml) , lane 5: (50 ng/ml) , lane 6: (10 ng/ml) , lane 7: (5 ng/ml)

**All products are supplied for research and investigational use only. Not for use in humans or laboratory animals.**