

Streptavidin AF488 Conjugated

Catalog No: #LS1013

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Description

Product Name	Streptavidin AF488 Conjugated
Brief Description	Streptomyces
Purification	>90% as determined by SDS-PAGE
Conjugates	AF488
Concentration	oO 0.5 mg/ml
Formulation	10 mM TBS (pH=7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Background

Streptavidin is a tetrameric protein composed of identical subunits. Each subunit binds one biotin molecule with a KD of $\sim 1 \times 10^{-15}$ M. The preparation contains an N- and C-terminal shortened variant (core streptavidin) with improved properties concerning homogeneity, solubility, resistance towards proteolytic degradation and accessibility of the biotin binding pocket as compared to native streptavidin. The high affinity recognition of biotin and biotinylated molecules has made streptavidin one of the most important components in diagnostics and laboratory kits.

Note: This product is for in vitro research use only