DATASHEET

Version: 2014-12-15

LanPower™ Streptavidin [GS665]

Cat. No.: A01824-100

Size: 100 µg

Description:

Streptavidin is a tetrameric protein isolated from Streptomyces avidinii with an extremely high binding affinity for biotin (Kd~10^{-14}M). LanPower™ GS665 is a small molecule with a molecular weight of about 1 KD which can absorb light at a wavelength of 620 nm and emit light at 665 nm, making it a suitable acceptor for LanPower™ Eu .

GenScript LanPower™ Streptavidin [GS665] is Streptavidin conjugated with LanPower™ GS665 under optimal conditions with a D/P ratio of 1-3.

Conjugation: LanPower™ GS665

Storage:

The lyophilized product remains stable up to 1 year at -20°C from the date of receipt. The reconstituted Streptavidin [GS665] may be stored at 2-8°C for 7 days or less. For long term storage, aliquot and store at -20°C or below. Avoid repeated freeze and thaw cycles.

Applications:

LanPower™ Streptavidin [GS665] is used for the detection of biotinylated molecules in homogenous assays and is especially applicable to HTS (High Throughput Screening).

Normally, one mol of streptavidin can bind 2-4 mols of biotinylated molecules in a homogeneous assay. Working concentrations for specific applications should be determined by titration assay. Appropriate streptavidin concentrations will be affected by several factors including the concentration of biotinylated molecules, sensitivity of detection method, incubation temperature and time.