

DATASHEET

Version: 2014-12-15

LanPower™ 6xHis Tag Antibody [Eu]**Cat. No.:** A01812-10**Host:** Mouse**Size:** 10 µg**Immunogen:** A synthetic peptide HHHHHH coupled to KLH**Ig Subclass:** IgG1, k**Conjugation:** LanPower™ Eu**Description:**

His Tag Antibody, mAb, Mouse is purified from mice ascites by protein A affinity column. LanPower™ Eu is a kind of Europium chelate with a maximum emission wave length at 620 nm when excited at 340 nm. The 620 nm emission fluorescence is long time lived (ms) compared to normal fluorescence (µs).

The **GenScript LanPower™ 6xHis Tag Antibody [Eu]** is THE™ Anti-His mAb (A00186) conjugated with LanPower™ Eu under optimal conditions with D/P ratio of 3-6.

Specificity:

LanPower™ 6xHis Tag Antibody [Eu] recognizes C-terminal, N-terminal, and internal His tagged fusion proteins.

Concentration:

A01812-100: pH 7.2, 0.5 mg/ml, lyophilized with 50 mM Phosphate Buffer, 150 mM NaCl, containing 0.02% NaN₃.

A01812-10: pH 7.2, 0.05 mg/ml, lyophilized with 50 mM

Phosphate Buffer, 150 mM NaCl, containing 0.1% BSA and 0.02% NaN₃.

Reconstitution:

Reconstitute the lyophilized product following the indications on the vial label to make conjugated antibody concentration of 0.5 mg/ml or 0.05 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freeze and thaw cycles.

Applications:

It is mainly used in homogenous 6xhis tagged fusion protein or peptide assays, and it is especially amenable to HTS (High Throughput Screening). Normally, 150 ng/ml (1 nM) Ab concentration is used as the final concentration in a homogeneous assay. The practical concentration should be determined by the investigator on a case by case basis. Factors to consider when determining the optimal Ab concentration are the 6xhis tag fusion protein concentration, temperature, the length of the incubations, and buffer components.

Other applications: user-optimized