

Certificate of Analysis

LanthaScreen® Tb-anti-Goat Antibody, 1 mg



Part Number: PV3772
Lot Number: 34438B
Immediate Storage: -20°C
Shipping Conditions: dry ice

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Description:

Tb-labeled species-specific secondary antibody for development of LanthaScreen® TR-FRET assays.

Concentration:

1.0 mg/mL as determined spectrophotometrically at A280.

Calculated **6730 nM** based on absorbance. The weight of the Tb label is negligible compared to the weight of the antibody.

Chelate to Antibody Ratio:

8:1 Determined spectrophotometrically.

Storage and Handling:

Spinning the antibody is important to reduce noise in the assay readout. Upon thaw of stock or aliquot, mix antibody by inversion or pipetting and centrifuge stock vial or aliquot of antibody at ~10,000 rpm for 5 minutes prior to use. After centrifugation, pipet the quantity of antibody needed for the assay from the top of the liquid, thereby minimizing the potential mixing of material that has been spun to the bottom of the vial. To reduce the number of freeze/thaws aliquots may be prepared. However, to facilitate spinning and pipetting, aliquots below 50 µL are not recommended. If properly stored at -20°C, this product is guaranteed for 6 months from date of purchase.

Storage Buffer:

10 mM HEPES (pH 7.5), 137 mM NaCl and 2.7 mM KCl (HEPES buffered saline).

Instrument Settings:

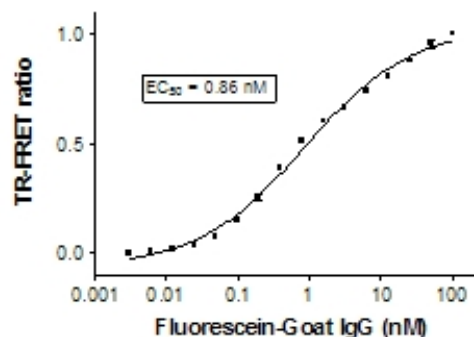
LanthaScreen® Tb-anti-Goat Antibody, used in a TR-FRET assay, requires a fluorescence plate reader capable of reading TR-FRET and filters in the **green** range. For instrument specific set-up information go to www.lifetechnologies.com/instrumentsetup.

QUALITY ASSURANCE

Functional Testing:

The performance of each lot of LanthaScreen® Tb-anti-Goat Antibody is confirmed by its ability to bind fluorescein-labeled goat IgG (PV3762). A titration of fluorescein-labeled goat IgG (PV3762) against 2nM LanthaScreen® Tb-anti-Goat Antibody was performed in TR-FRET dilution buffer (PV3574), final volume 20 µL.

Lot Specific Determinations:



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Becky. Baker, QA Engineer II

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For questions, please contact our Technical Support Team

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