

# Certificate of Analysis

## LanthaScreen® Tb-anti-Goat Antibody, 25 µg

**ThermoFisher**  
SCIENTIFIC

**Part Number:** PV3770  
**Lot Number:** 1804823C  
**Immediate Storage:** -20°C  
**Shipping Conditions:** dry ice

5781 Van Allen Way  
Carlsbad, CA 92008  
Phone: 760.603.7200  
www.thermofisher.com

### 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 **6,600 nM** based on absorbance. The weight of the Tb label is negligible compared to the weight of the antibody.

### Chelate to Antibody Ratio:

9:1 Determined spectrophotometrically.

### Storage and Handling:

If properly stored in its original container at -20°C, this product is guaranteed for 6 months from date of purchase.

**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.

### Storage Buffer:

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

### Instrument Settings:

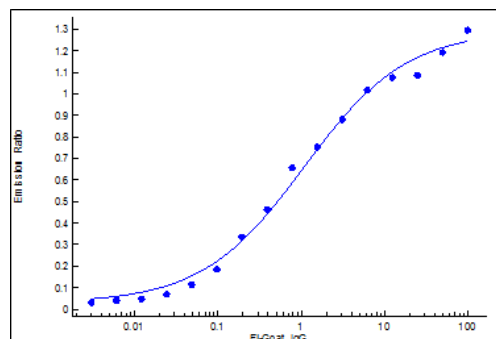
LanthaScreen® Tb-anti-Goat Antibody, used in a TR-FRET assay, requires a fluorescence plate reader capable of reading TR-FRET and filters in the **green** range. For instrument specific set-up information go to [www.thermofisher.com/instrumentsetup](http://www.thermofisher.com/instrumentsetup).

## 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:



Anita Targosz

Anita Targosz,  
Director, Global Quality and Compliance

Date: 02/Jun/2016

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LanthaScreen® is a registered trademark of Life Technologies Corporation.

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