

# Certificate of Analysis

## LanthaScreen® Tb-labeled Anti-Rabbit Antibody Kit, 1 mg



**Part Number:** PV3775

**Lot Number:** 1792374

5791 Van Allen Way  
Carlsbad, CA 92008  
Phone: 760.603.7200  
Fax: 760.602.6500  
www.lifetechnologies.com

### Components:

Description	Composition	Quantity	Part Number	Lot Number
LanthaScreen® Tb-anti-Rabbit Antibody	10 mM HEPES (pH 7.5), 137 mM NaCl and 2.7 mM KCl (HEPES buffered saline).	1 mg	PV3776*	1792373A
TR-FRET Dilution Buffer	Proprietary Buffer (pH 7.5)	2 × 100 mL	PV3574	1763234A
Fluorescein-Rabbit IgG	200 nM Fluorescein Conjugated Rabbit IgG whole molecule in TR-FRET Dilution Buffer.	400 µL	PV3763	39647E

\*See individual COA

**Storage and Handling:** The performance of this product is guaranteed for 6 months from the date of purchase if stored and handled properly.

Description	Storage and Handling
LanthaScreen® Tb-anti-Rabbit Antibody	<b>Spinning the antibody is important to reduce noise in the assay readout.</b> 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.
TR-FRET Dilution Buffer	<b>20–30°C</b> Mix prior to use.
Fluorescein-Rabbit IgG	-20°C. Minimize repeated freeze thaw cycles.

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Invitrogen™ is a trademark of Life Technologies Corporation.

For questions, please contact our Technical Support Team

N. Am Ph#: 800-955-6288 or INTL Ph#: 760-603-7200 Select option 5, ext. 40266 Email: [drugdiscoverytech@lifetech.com](mailto:drugdiscoverytech@lifetech.com)

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# Certificate of Analysis

## LanthaScreen® Tb-anti-Rabbit Antibody, 1 mg



**Part Number:** PV3776  
**Lot Number:** 1792373A  
**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 **6,700 nM** based on absorbance. The weight of the Tb label is negligible compared to the weight of the antibody.

### **Chelate to Antibody Ratio:**

7:1 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-Rabbit 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](http://www.lifetechnologies.com/instrumentsetup).

## QUALITY ASSURANCE

### **Functional Testing:**

The performance of each lot of LanthaScreen® Tb-anti-Rabbit Antibody is confirmed by its ability to bind fluorescein-labeled rabbit IgG (PV3763). A titration of fluorescein-labeled rabbit IgG (PV3763) against 2nM LanthaScreen® Tb-anti-Rabbit Antibody was performed in TR-FRET dilution buffer (PV3574), final volume 20 µL.

Nichole Reaksecker

Date: 10/May/2016

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**For Research Use Only. Not for use in diagnostic procedures.**

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