

Certificate of Analysis

LanthaScreen® Tb-anti-Mouse Antibody Kit, 1 Kit, 25 µg Antibody

ThermoFisher
SCIENTIFIC

Part Number: PV3765
Lot Number: 2322634
Immediate Storage: -20°C
Shipping Conditions: dry ice

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

Components:

Description	Composition	Quantity	Part Number	Lot Number
LanthaScreen® Tb-anti-Mouse Antibody	10 mM HEPES (pH 7.5), 137 mM NaCl and 2.7 mM KCl (HEPES buffered saline).	25 µg	PV3766*	2012645C
Fluorescein-Mouse IgG	200 nM Fluorescein Conjugated Mouse IgG whole molecule in TR-FRET Dilution Buffer.	400 µL	PV3761	2319595A
TR-FRET Dilution Buffer	Proprietary Buffer (pH 7.5)	100 mL	PV3574	2198361A

*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-Mouse Antibody	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.
Fluorescein-Mouse IgG	-20°C. Minimize repeated freeze thaw cycles.
TR-FRET Dilution Buffer	20–30°C Mix prior to use.

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

Chelate to Antibody Ratio:

4:1 Determined spectrophotometrically.

Storage and Handling:

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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:

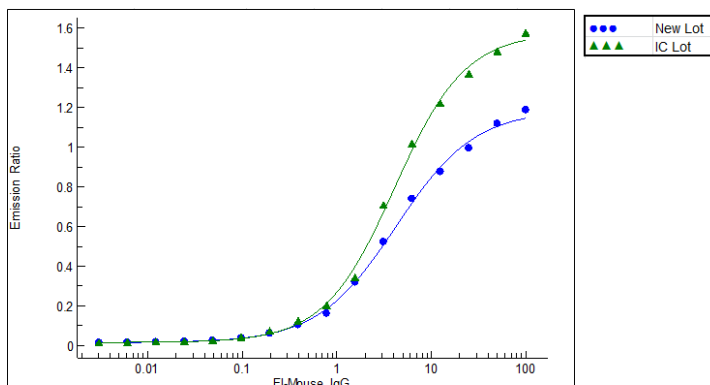
LanthaScreen® Tb-anti-Mouse Antibody, used in a TR-FRET assay, requires a fluorescence plate reader capable of reading TR-FRET and filters in the **green** range. For instrument specific set-up information go to www.thermofisher.com/instrumentsetup.

QUALITY ASSURANCE

Functional Testing:

The performance of each lot of LanthaScreen® Tb-anti-Mouse Antibody is confirmed by its ability to bind fluorescein-labeled mouse IgG (PV3761). A titration of fluorescein-labeled mouse IgG (PV3761) against 2nM LanthaScreen® Tb-anti-Mouse Antibody was performed in TR-FRET dilution buffer (PV3574), final volume 20 µL.

Lot Specific Determinations:



Anita Targosz

Anita Targosz, Associate Director

Date: 01/Aug/2018

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LanthaScreen® is a registered trademark of Life Technologies Corporation.

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