

# Certificate of Analysis

## LanthaScreen® Tb-anti-LRRK2 [pSer935] Antibody , 100 µg



**Part Number:** A14693  
**Lot Number:** 1739252D  
**Immediate Storage:** -20°C  
**Shipping Conditions:** dry ice

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

### Description:

The LanthaScreen® Tb-anti-LRRK2 [pSer935] Antibody recognizes phosphorylation of serine 935 on human LRRK2 and is used in the LanthaScreen® LRRK2 [pSer935] Cellular Assay.

### Concentration:

0.15 mg/mL as determined spectrophotometrically at A280.  
Calculated **1,000 nM** based on absorbance.

### Molecular Weight:

150 kDa. The weight of the Tb label is negligible compared to the weight of the antibody.

### Chelate to Antibody Ratio:

5:1 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 g for 5 minutes prior to use. To facilitate pipetting, aliquots below 50 µL are not recommended. After centrifugation, pipette 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. 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) and 0.1% Triton® X-100.

### Instrument Settings:

LanthaScreen® Tb-anti-LRRK2 [pSer935] 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-LRRK2 [pSer935] Antibody is confirmed by its ability to bind phosphorylated LRRK2 peptide in a biochemical TR-FRET binding assay where the Tb labeled antibody was mixed with fluorescein-labeled LRRK2 peptide phosphorylated at serine 935. Using the same conditions, LanthaScreen® Tb-anti-LRRK2 [pSer935] Antibody was shown not to bind to the negative control, the unphosphorylated LRRK2 peptide.

Nichole Reaksecker

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Triton® is a registered trademark of Union Carbide Chemicals and Plastics Co., Inc.

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

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)