

# Anti-Human Lck-153Eu

Catalog: 3153017B

Package size: 100 tests

Storage: Store product at 4 °C. Do not freeze.

Clone: LCK-01

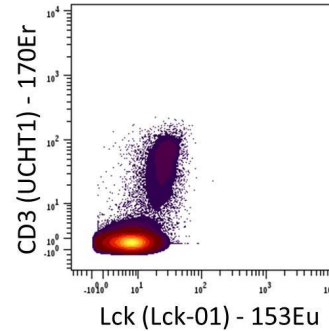
Isotype: Mouse IgG1

Formulation: Antibody stabilizer with 0.05% sodium azide

## Technical Information

**Validation:** Each lot of conjugated antibody is quality control-tested by CyTOF<sup>®</sup> analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

**Recommended usage:** The suggested use is 1 µL for up to 3 × 10<sup>6</sup> live cells in 100 µL. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human PBMCs were fixed, permeabilized and stained with 153Eu-anti-Lck (LCK-01) and 170Er-anti-CD3 (UCHT1). Total viable cells are displayed in the analysis.

## Description

Lck is a cytoplasmic protein bound to CD4 and CD8 in T lymphocytes. Lck participates in antigen-induced T cell activation through phosphorylation of the T cell receptor zeta chain. Lck is activated upon T cell receptor engagement and is involved in the onset of cell cycle progression induced by interleukin-2.

## References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81 (2009): 6,813–22.

Ornatsky, O. I., et al. Highly Multiparametric Analysis by Mass Cytometry. *Journal of Immunological Methods* 361 (2010): 1–20.

**For technical support visit [fluidigm.com/support](http://fluidigm.com/support).**

**North America** +1 650 266 6100 | Toll-free: +1 866 358 4354 in the US | [support.northamerica@fluidigm.com](mailto:support.northamerica@fluidigm.com) **Europe** +33 1 60 92 42 40 | [support.europe@fluidigm.com](mailto:support.europe@fluidigm.com)  
**China (excluding Hong Kong)** +86 21 3255 8368 | [techsupportchina@fluidigm.com](mailto:techsupportchina@fluidigm.com) **Japan** +81 3 3662 2150 | [techsupportjapan@fluidigm.com](mailto:techsupportjapan@fluidigm.com)  
**All other Asian countries** +1 650 266 6100 | [techsupportasia@fluidigm.com](mailto:techsupportasia@fluidigm.com) **Central and South America** +1 650 266 6100 | [techsupportlatam@fluidigm.com](mailto:techsupportlatam@fluidigm.com)

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

This product contains antibodies manufactured by and sold under license from BioLegend<sup>®</sup> and licensees thereof.

Information in this publication is subject to change without notice. **Safety data sheet information** [www.fluidigm.com/sds](http://www.fluidigm.com/sds) **Patent and license information** [www.fluidigm.com/legalnotices](http://www.fluidigm.com/legalnotices) | Fluidigm, the Fluidigm logo, and CyTOF are trademarks or registered trademarks of Fluidigm Corporation in the United States and/or other countries. © 2016 Fluidigm Corporation. All rights reserved. 11/2016