

## Anti-Human IL-22-150Nd

**Catalog #:** 3150007B

**Package Size:** 100 tests

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

**Cross Reactivity:** Human

**Clone:** 22URTI

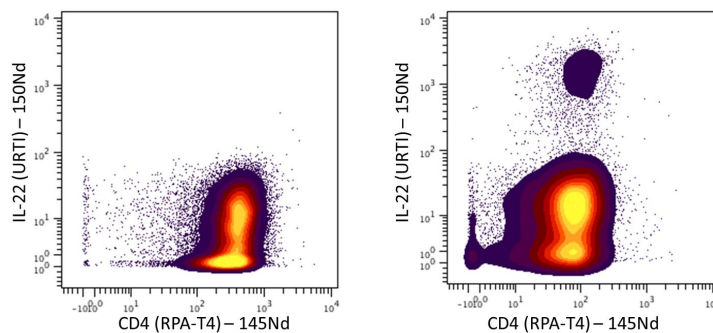
**Isotype:** Mouse IgG1

**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 X 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 Th17-polarized CD4+ T cells were incubated for 5 hours in media alone (left) or with PMA and Ionomycin (right) in the presence of monensin and brefeldin A. Cells were then fixed, permeabilized, and stained with 145Nd anti-CD4 (RPA-T4) and 150Nd anti-IL-22 (22URTI).

### Description

IL-22 is a 20 kDa member of the IL-10 cytokine family that is exclusively expressed by subsets of lymphocytes. IL-22 plays a regulatory role in epithelial homeostasis in the liver, gut and lung. IL-22 is expressed by innate lymphoid cells (ILC) including NK, NKT and  $\gamma\delta$  T cells, in addition to Th17-polarized CD4+ T cells. A heterodimer of IL-10R2 and IL-22R1 serves as the receptor for IL-22. IL-22 signaling through the JAK-STAT pathway, and STAT1, 3 and 4 transcription factors exerts both pro-inflammatory and tissue protective functions.

### 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* 81:6813-6822, 2009.

Ornatsky, O. I., et al. Highly multiparametric analysis by mass cytometry. *J Immunol Methods* 361 (1-2):1-20, 2010

### Contact Information:

Sales: sales@DVSSciences.com | Support: support@DVSSciences.com  
 www.DVSSciences.com | For assistance by phone: 855-DVS-CYTO

This product is intended for Research Use Only. This product is not intended for therapeutic or diagnostic purposes in humans or animals.  
 This product contains antibodies manufactured by and sold under license from eBiosciences and licensees thereof.

© 2011 DVS Sciences Inc. The trademarks mentioned herein are the property of DVS Sciences Inc. or their respective owners. DVS Sciences Inc. products are warranted to meet stated product specifications and to conform to label descriptions when used and stored properly. Unless otherwise stated, this warranty is limited to 6 months from date of sales for products used, handled and stored according to DVS Sciences, Inc. instructions. DVS Sciences, Inc. sole liability for the product is limited to replacement of the product or refund of the purchase price. Product may not be resold, modified for resale or used to manufacture commercial products without prior written approval from DVS Sciences Inc.

