

Anti-Human/Mouse IRF4-155Gd

Catalog: 3155014B

Package Size: 100 tests

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

Reactivity: Mouse, Human,

Clone: 3E4

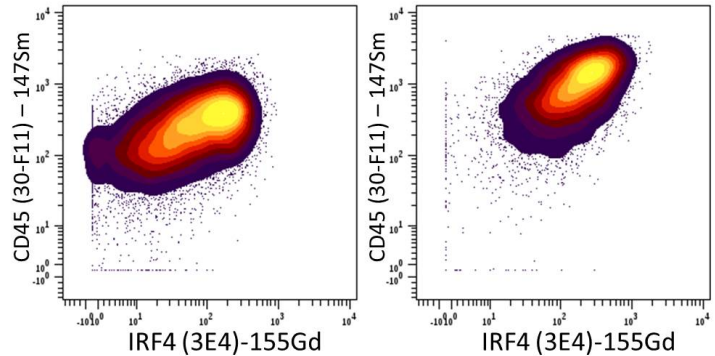
Isotype: Rat IgG1

Formulation: Antibody stabilizer with 0.05% Sodium Azide

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF[®] 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 10⁶ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Mouse EL4 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 147Sm-anti-CD45 (30-F11) and 155Gd-anti-IRF4 (3E4).

Description

IRF4 is a 52 kDa transcription factor expressed in all stages of B cell development and in mature T cells. This transcription factor is inducible in primary lymphocytes by antigen mimetic stimuli such as Concanavalin A, CD3 crosslinking, anti-IgM and PMA treatment. Together with TRF8, it plays an important role in macrophage and dendritic cell development and function. IRF4 is also shown to be essential for pre-B cell development, receptor editing, germinal center reactor and plasma cell differentiation.

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.

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