

Anti-Human TSLP-R-158Gd

Catalog: 3158026B

Package size: 100 tests

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

Clone: 1B4

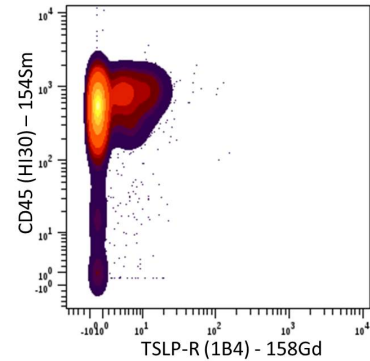
Isotype: Mouse IgG1

Formulation: Antibody stabilizer with 0.05% sodium azide

Technical Information

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



Human monocyte-derived dendritic cells stained with 154Sm-anti-CD45 (HI30) and 158Gd-anti-TSLP-R (1B4). CD3-CD11c+ viable cells are displayed in the analysis.

Description

TSLP-R, also known as the thymic stromal lymphopoietin protein receptor, cytokine receptor-like 2, CRL2 and IL-XR, is a type I membrane receptor that forms a functional heterodimeric complex with IL-7R to bind with TSLP. Functional TSLP-Rs are expressed by epithelial cells and a variety of hematopoietic cell types, including thymocytes, T cells, B cells, natural killer T cells, monocytes, macrophages, basophils and dendritic cells. TSLP mainly impacts myeloid cells and induces the release of T cell-attracting chemokines from monocytes and enhances the maturation of myeloid (CD11c+) dendritic cells.

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.

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