

Anti-TSLP Receptor Antibody (Clone 22H9)

Biomaterial - Antibody

Biomaterial Description

This rat monoclonal antibody, Clone 22H9, specifically targets the extracellular domain of the murine thymic stromal lymphopoietin receptor (TSLPR/CRLF2). This antibody enables precise detection of TSLPR on hematopoietic and lymphoid cells and is optimized for flow cytometry applications. By targeting a key component of the TSLP signaling axis, Clone 22H9 supports investigation into cytokine-mediated immune regulation, including pathways involving Stat5 activation and cell proliferation.

Applications

- -Flow cytometric profiling of TSLPR expression in murine immune cell populations
- -Characterization of CRLF2-positive cells in models of allergy, inflammation, and hematopoiesis
- -Mechanistic studies of TSLP signaling and receptor-ligand interactions
- -Evaluation of cytokine receptor dynamics in genetically modified mouse strains

Advantages

- -High-affinity binding to the extracellular domain of murine TSLPR
- -Validated for flow cytometry in bone marrow and lymphoid tissues
- -Compatible with C57BL/6 and other common mouse strains
- -Available in unconjugated and APC-conjugated formats
- -Supports studies of Stat5 activation and noncanonical cytokine signaling

Distributor Information

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References

 Isaksen, D. E., Baumann, H., Zhou, B., Nivollet, S., Farr, A. G., Levin, S. D., Ziegler, S. F.(2002), https://academic.oup.com/jimmunol/article/168/7/3288/8025395, https://academic.oup.com/jimmunol, 168, 3288-3294

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Category

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