

## Anti-Human CD22-159Tb

**Catalog #:** 3159005B

**Package Size:** 100 tests

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

**Cross Reactivity:** Chimpanzee

**Clone:** HIB22

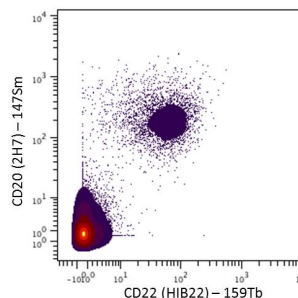
**Isotype:** Mouse IgG1

**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 PBMCs stained with 147Sm anti-CD20 (2H7) and 159Tb anti-CD22 (HIB22). Total viable cells are displayed in the analysis.

### Description

CD22, also known as Siglec-2 and BL-CAM, is a type 1 transmembrane glycoprotein and a member of the immunoglobulin superfamily. It is primarily involved in regulation of B cell activation and serves as an adhesion molecule. CD22 is expressed in the cytoplasm of pro-B and pre-B cells, and on the surface of mature B and activated B cells. It is not expressed on plasma 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* 81:6813-6822, 2009.

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

### Contact Information:

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