

# Anti-Human Ig kappa-160Gd

Catalog: 3160005B

Package Size: 100 tests

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

Reactivity: Human,

Clone: MHK-49

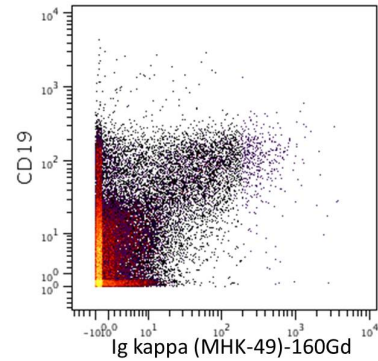
Isotype: Mouse IgG1

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 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 142Nd-anti-CD19 (HIB19) and 160Gd-anti-Ig kappa (MHK-49). Lymphocytes are displayed in the analysis.

## Description

There are two types of light chain in humans (as in other mammals), kappa (κ) chain and lambda (λ) chain. Antibodies produced by mature B lymphocytes express only one class of light chain. The MHK-49 antibody reacts with both soluble and membrane human immunoglobulin light chain kappa (κ). It does not react with human immunoglobulin light chain lambda (λ) or heavy chain (μ). This antibody can be used as primary or secondary reagent for CyTOF® staining.

## 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.

## For technical support visit [fluidigm.com/support](http://fluidigm.com/support)

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