

Product Data Sheet

Purified anti-human CD10

Catalog # / Size: 312202 / 100 µg

Clone: HI10a

Isotype: Mouse IgG1, κ

Workshop Number: V CD10.7

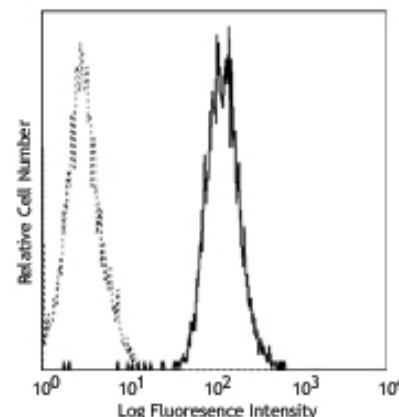
Reactivity: Human, **Cross-Reactivity:** Chimpanzee, Baboon, Cynomolgus, Rhesus, Capuchin Monkey

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



Nalm-6 cell line stained with purified HI10a and detected with anti-mouse IgGs-FITC

Applications:

Applications: FC - *Quality tested*
 WB - *Reported in the literature*
 CyTOF® - *Validated*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported (for the relevant formats) applications include: Western blotting.

Application References:

1. Knapp W. 1989. Leucocyte Typing IV. Oxford University Press New York.
2. Barclay N, *et al.* 1997. The Leucocyte Antigen Facts Book. Academic Press Inc. San Diego.
3. Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.
4. Denny MF, *et al.* 2010. *J. Immunol.* 184:3284. PubMed
5. Yoshino N, *et al.* 2000. *Exp. Anim. (Tokyo)* 49:97. (FC)

Description: CD10 is a 100 kD neutral endopeptidase and a member of the metalloprotease family. It is a type II transmembrane protein also known as common acute lymphoblastic leukemia antigen (CALLA), enkephalinase, and neprilysin. CD10 is expressed on B cell precursors, T cell precursors, and neutrophils. CD10 is involved in B cell development and has been shown to bind opioid enkephalins, bradykinin, angiotensins I and II, and other biologically active peptides.

Antigen References:

1. Shipp M, *et al.* 1993. *Blood* 82:1052.
2. Lu B, *et al.* 1995. *J. Exp. Med.* 181:2271.

Related Products:

Product
 Purified anti-human CD19
 Purified Mouse IgG1, κ Isotype Ctrl
 APC Goat anti-mouse IgG (minimal x-reactivity)
 Biotin Goat anti-mouse IgG (minimal x-reactivity)
 FITC Goat anti-mouse IgG (minimal x-reactivity)
 PE Goat anti-mouse IgG (minimal x-reactivity)
 Cell Staining Buffer
 RBC Lysis Buffer (10X)
 Purified anti-human CD10

Clone
 HIB19
 MOPC-21
 Poly4053
 Poly4053
 Poly4053
 Poly4053
 MEM-78

Application
 FC, IHC, CyTOF®
 FC, ICFC, ICC, IF, IHC, IP, WB
 FC
 FC, ELISA, IHC, IF, WB
 FC
 FC
 FC, ICC, ICFC
 FC, ICFC
 FC, IHC, IP, WB



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