

Purified anti-human CD10 (Maxpar[®] Ready) Antibody

Catalog# / Size	312223 / 100 µg
Clone	HI10a
Regulatory Status	RUO
Workshop	V CD10.7
Other Names	Common acute lymphoblastic leukemia antigen (CALLA), Enkephalinase, Neutral endopeptidase, Nephilysin
Isotype	Mouse IgG1, κ
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.

Product Details

Verified Reactivity	Human, Cynomolgus, Rhesus
Reported Reactivity	African Green, Baboon, Capuchin monkey, Chimpanzee
Antibody Type	Monoclonal
Host Species	Mouse
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and EDTA.
Preparation	The antibody was purified by affinity chromatography.
Concentration	1.0 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C.
Application	FC - Quality tested CyTOF[®] - Verified
Recommended Usage	This product is suitable for use with the Maxpar[®] Metal Labeling Kits . For metal labeling using Maxpar [®] Ready antibodies, proceed directly to the step to Partially Reduce the Antibody by adding 100 µl of Maxpar [®] Ready antibody to 100 µl of 4 mM TCEP-R in a 50 kDa filter and continue with the protocol. Always refer to the latest version of Maxpar [®] User Guide when conjugating Maxpar [®] Ready antibodies.
Additional Product Notes	Maxpar [®] is a registered trademark of Standard BioTools Inc.
Product Citations	1. Roussel M, <i>et al.</i> 2021. Cell Reports Medicine. 2(6):100291. PubMed
RRID	AB_2562828 (BioLegend Cat. No. 312223)

Antigen Details

Structure	Type II transmembrane metalloprotease family, 100 kD
Distribution	B cell precursors, T cell precursors, neutrophils
Function	Zinc-binding metalloproteinase, B cell development
Ligand/Receptor	Biologically active peptides including opioid enkephalins, bradykinin, angiotensins I & II

Cell Type	B cells, Neutrophils
Biology Area	Immunology
Molecular Family	CD Molecules
Antigen References	1. Shipp M, <i>et al.</i> 1993. <i>Blood</i> 82:1052. 2. Lu B, <i>et al.</i> 1995. <i>J. Exp. Med.</i> 181:2271.
Gene ID	4311

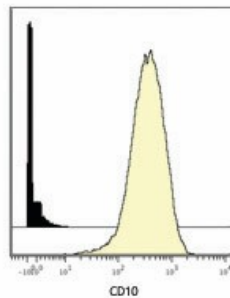
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human CD10, PE anti-human CD10, PE/Cyanine5 anti-human CD10, FITC anti-human CD10, APC anti-human CD10, APC/Cyanine7 anti-human CD10, PE/Cyanine7 anti-human CD10, PerCP/Cyanine5.5 anti-human CD10, Brilliant Violet 421™ anti-human CD10, Brilliant Violet 510™ anti-human CD10, Brilliant Violet 605™ anti-human CD10, Purified anti-human CD10 (Maxpar® Ready), Brilliant Violet 711™ anti-human CD10, PE/Dazzle™ 594 anti-human CD10, APC/Fire™ 750 anti-human CD10, TotalSeq™-A0062 anti-human CD10, TotalSeq™-C0062 anti-human CD10, TotalSeq™-B0062 anti-human CD10, Brilliant Violet 785™ anti-human CD10, TotalSeq™-D0062 anti-human CD10, GMP APC anti-human CD10, GMP FITC anti-human CD10, GMP PE/Cyanine7 anti-human CD10, GMP PE anti-human CD10

Product Data



Human PBMCs (top) and human NALM-6 pre-B cells (bottom) stained with 156Gdanti-CD10 (HI10a). Data provided by DVS Sciences.

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