CD10 (Membrane Metalloendopeptidase) Antibody

Mouse Monoclonal Antibody [Clone MME/3739]

Catalog No	Format	Size
4311-MSM19-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4311-MSM19-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4311-MSM19-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

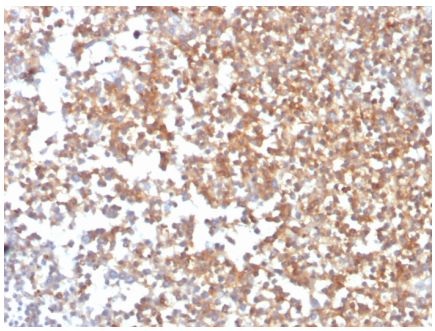
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

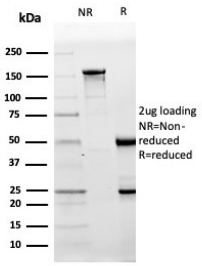
Clone	MME/3739
Gene Name	MME
Immunogen	Recombinant human CD10 protein fragment (aa297-483) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	100kDa
Cellular Localization	Cell membrane
Species Reactivity	Human
Positive Control	Human Kidney, Small Intestine, Tonsil

**Optimal dilution for a specific application should be determined.*

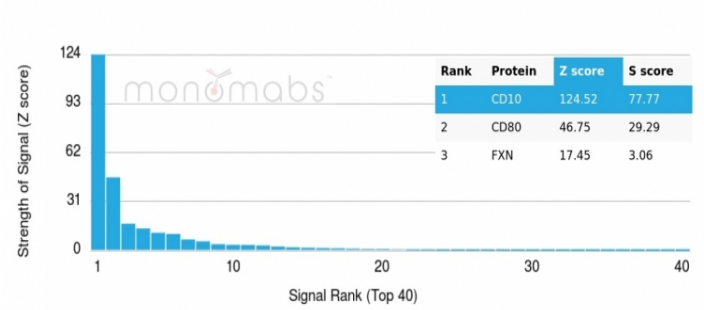
Product Images for CD10 (Membrane Metalloendopeptidase) Antibody



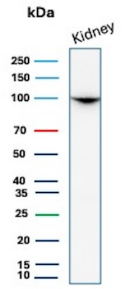
Formalin-fixed, paraffin-embedded human kidney stained with CD10 Mouse Monoclonal Antibody (MME/3739).



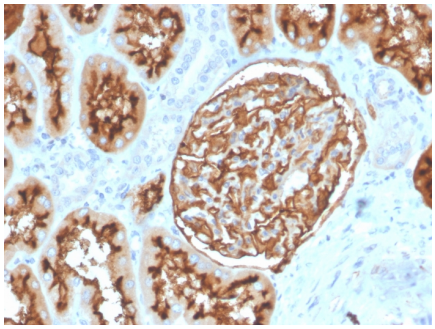
SDS-PAGE Analysis Purified CD10 Mouse Monoclonal Antibody (CD10/3739). Confirmation of Integrity and Purity of Antibody



Analysis of Protein Array containing >19,000 full-length human proteins using CD10 Mouse Monoclonal Antibody (MME/4235). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Western Blot Analysis of human kidney tissue lysate using CD10 Mouse Monoclonal Antibody (MME/3739).



Formalin-fixed, paraffin-embedded human kidney stained with CD10 Mouse Monoclonal Antibody (MME/3739).

Specificity & Comments

Recognizes a 100kDa glycoprotein, identified as CD10, also known as Common Acute Lymphocytic Leukemia Antigen (CALLA). It is a cell surface enzyme with neutral metalloendopeptidase activity, which inactivates a variety of biologically active peptides. CD10 is expressed on the cells of lymphoblastic, Burkitt s, and follicular germinal center lymphomas, and on cells from patients with chronic myelocytic leukemia (CML). It is also expressed on the surface of normal early lymphoid progenitor cells, immature B cells within adult bone marrow and germinal center B cells within lymphoid tissue. CD10 is also present on breast myoepithelial cells, bile canaliculi, fibroblasts, with especially high expression on the brush border of kidney and gut epithelial cells.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

B Cell Markers, Cardiovascular, Hematopoietic Stem Cells, Immunology

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.