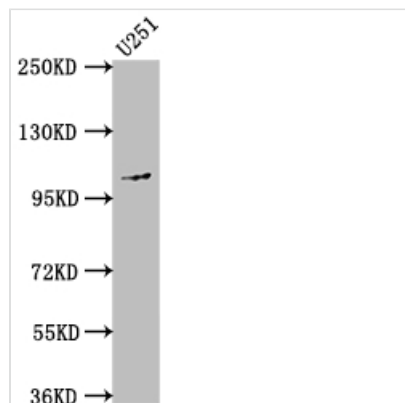




MME Recombinant Monoclonal Antibody

Product Code	CSB-RA940661A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P08473
Immunogen	A synthesized peptide derived from human CD10
Species Reactivity	Human
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:5000
Relevance	Thermolysin-like specificity, but is almost confined on acting on polypeptides of up to 30 amino acids (PubMed:15283675, PubMed:8168535). Biologically important in the destruction of opioid peptides such as Met- and Leu-enkephalins by cleavage of a Gly-Phe bond (PubMed:17101991). Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9 (PubMed:15283675). Involved in the degradation of atrial natriuretic factor (ANF) (PubMed:2531377, PubMed:2972276). Displays UV-inducible elastase activity toward skin preelastic and elastic fibers (PubMed:20876573).
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Cancer; Immunology; Stem cells
Gene Names	MME
Clone No.	7F6

Image



Western Blot

Positive WB detected in: U251 whole cell lysate

All lanes: MME antibody at 1:1500

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 86 kDa

Observed band size: 100 kDa



Description

MME, also called CD10, is a cell surface zinc metalloendopeptidase expressed in various normal and neoplastic lymphoid and nonlymphoid tissues including melanomas. It was previously used as a cell surface marker to identify and differentiate between hematological malignancies. CD10 expression varies in distinct cancer types. CD10 is highly expressed in prostate cancer, melanomas, and papillary thyroid cancer, while its expression is declined in cervical carcinoma and adenocarcinoma of the gastrointestinal tract.

Compared with the polyclonal and monoclonal antibodies of MME, this MME recombinant antibody has the features of increased reproducibility and control, animal-free technology, high degree of monovalency, high batch-to-batch consistency, easier isotype conversion, etc. And it has been validated in ELISA, WB.