

Product datasheet for **TA354192**

CD10 (MME) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA N/A IP N/A IHC 2-10 µg/ml FC Not tested
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to internal region of human CD10
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	100 kDa
Gene Name:	membrane metallo-endopeptidase
Database Link:	NP_000893 Entrez Gene 4311 Human P08473



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Background:

CD10, also known as Common Acute Lymphocytic Leukemia Antigen (CALLA), is a 100-kDa type II transmembrane glycoprotein enzyme with neutral metalloendopeptidase activity which cleaves a variety of biologically active peptides hormones including glucagon, enkephalins, substance P, neurotensin, oxytocin and bradykinin. CD10 is largely expressed in ALL of lymphoblastic, Burkitt's, and follicular germinal center lymphomas, as well as on CML of the surface of normal early lymphoid progenitor cells, immature B cells within adult bone marrow and germinal center B cells within lymphoid tissue. However, it is also found on a variety of normal tissues, such as breast myoepithelial cells, bile canaliculi, fibroblasts, with especially high expression on the brush border of kidney and gut epithelial cells. CD10 is present on leukemic cell of pre-B phenotype, which represents 85% of cases of acute lymphocytic leukemia (ALL), thus it is an important cell surface marker in the diagnosis of human ALL.

Synonyms:

CALLA; CD10; CMT2T; NEP; SCA43; SFE

Protein Families:

Druggable Genome, Protease, Transmembrane

Protein Pathways:

Alzheimer's disease, Hematopoietic cell lineage, Renin-angiotensin system

Product images:

WB: The Cell lysate derived from human leukemia cells Reh was immunoprobed by Rabbit anti-CD10 antibody at 1:500. An immunoreactive band is observed around ~100 kDa.