

Datasheet

MME monoclonal antibody, clone MEM-78 (FITC)

Catalog Number: MAB4605

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native MME.

Clone Name: MEM-78

Immunogen: Native purified MME from NALM-6 human pre-B cell line.

Host: Mouse

Theoretical MW (kDa): 100

Reactivity: Human

Applications: Flow Cyt

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: This antibody reacts with CD10 antigen (CALLA - Common acute lymphatic leukemia antigen), a 100 KDa type II integral membrane protein.

Form: Liquid

Conjugation: FITC

Isotype: IgG1

Recommend Usage: Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or 10⁶ cells in a suspension)

The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.2% BSA, 0.09% sodium azide)

Storage Instruction: Store in the dark at 4°C. Do not freeze.

Avoid prolonged exposure to light.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4311

Gene Symbol: MME

Gene Alias: CALLA, CD10, DKFZp686O16152, MGC126681, MGC126707, NEP

Gene Summary: This gene encodes a common acute lymphocytic leukemia antigen that is an important cell surface marker in the diagnosis of human acute lymphocytic leukemia (ALL). This protein is present on leukemic cells of pre-B phenotype, which represent 85% of cases of ALL. This protein is not restricted to leukemic cells, however, and is found on a variety of normal tissues. It is a glycoprotein that is particularly abundant in kidney, where it is present on the brush border of proximal tubules and on glomerular epithelium. The protein is a neutral endopeptidase that cleaves peptides at the amino side of hydrophobic residues and inactivates several peptide hormones including glucagon, enkephalins, substance P, neurotensin, oxytocin, and bradykinin. This gene, which encodes a 100-kD type II transmembrane glycoprotein, exists in a single copy of greater than 45 kb. The 5' untranslated region of this gene is alternatively spliced, resulting in four separate mRNA transcripts. The coding region is not affected by alternative splicing. [provided by RefSeq]

References:

1. Differential expression of CD10 in prostate cancer and its clinical implication. Dall'Era MA, True LD, Siegel AF, Porter MP, Sherertz TM, Liu AY. BMC Urol. 2007 Mar 2;7:3.
2. CD10 expression by fusiform stromal cells in nasopharyngeal carcinoma correlates with tumor progression. Braham H, Trimeche M, Ziadi S, Mestiri S, Mokni M, Amara K, Hachana M, Sriha B, Korbi S. Virchows Arch. 2006 Aug;449(2):220-4. Epub 2006 May 4.
3. Monoclonal antibodies against human leucocyte antigens. II. Antibodies against CD45 (T200), CD3 (T3), CD43, CD10 (CALLA), transferrin receptor (T9), a novel broadly expressed 18-kDa antigen (MEM-43) and a novel antigen of restricted expression (MEM-74). Horejsi V, Angelisova P, Bazil V, Kristofova H, Stoyanov S, Stefanova I, Hausner P, Vosecky M, Hilgert I. Folia Biol

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