MLL Mouse Monoclonal Antibody

E10-20179

Background: Myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila). Eukaryotic RNA polymerase II mediates the synthesis of mature and functional messenger RNA. This is a multistep process, called the transcription cycle,that includes five stages. preinitiation, promoter, clearance, elongation and termination. Elongation is thought to be a critical stage for the regulation of gene expression. ELL (11-19 lysine-rich leukemia protein, also designated MEN) functions as an RNA polymerase II elongation factor that increases the rateof transcription by suppressing transient pausing by RNA polymerase II. Also, ELL is thought to regulate cellular proliferation. ELL is abundantly expressed in peripheral blood leukocytes, skeletal muscle, placenta and testis, and has lower expression in spleen, thymus, heart, brain, lung, kidney, liver and ovary.The gene encoding human ELL, which maps to chromosome 19p13.1, is one of several genes which undergo translocation with the MLL gene on chromo-some 11q23 in acute myeloid leukemia. MLL (myeloid/lymphoid leukemia,also designated ALL-1 and HRX) is a 430 kDa protein that regulates embryonal and hematopoietic development.

Catalog Number: E10-20179

Amount: 100µg/100µl

Clone Number: 10F8D7

Species: Mouse IgG1

Aliases: MLL

Entrez Gene: 4297

Immunogen: Purified recombinant fragment of MLL (aa3751-3968) expressed in E. Coli.

Storage: Store at 4 °C for 1 month. For long term storage, store at -20 °C.

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB,IHC,ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB.1/500 - 1/2000.IHC.1/200 - 1/1000.ELISA. Propose dilution 1/10000.

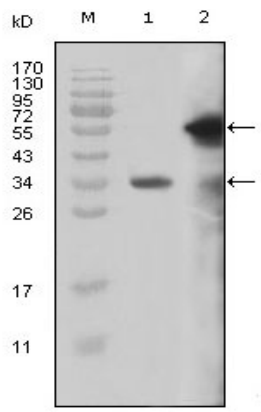

Figure 1. Western blot analysis using MLL mouse mAb against truncated MLL recombinant protein (1) and truncated GFP-MLL(aa3714-3969) transfected Cos7 cell lysate (2).

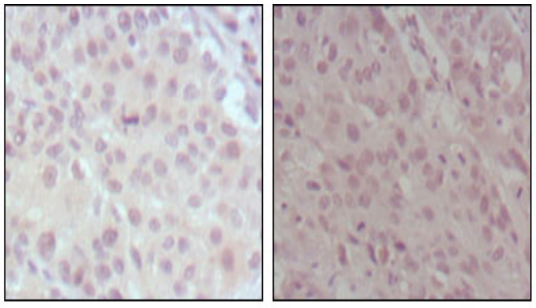

Figure 2. Immunohistochemical analysis of paraffin-embedded human lung cancer (left) and esophagus cancer (right), showing nuclear weak staining with DAB staining using MLL mouse mAb.

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