

Ordering Information

Catalog Number: CVO-312

Clone number: 348

Lot number: 1101

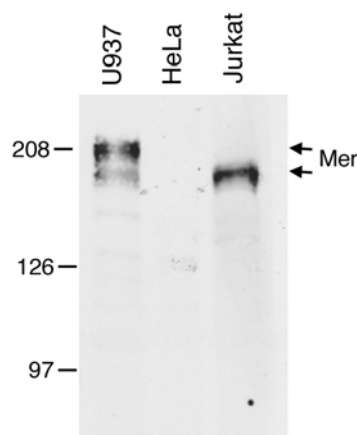
Size: 400µl

Source: mouse

Isotype: IgG1

Specificity: human Mer

Immunogen: Sf21 derived rhMer extracellular domain



Western blot analysis of lysates from U937, HeLa and Jurkat cells. HeLa cells, which do not express Mer mRNA by RT-PCR are shown as a negative control.

CVO-312: Monoclonal Anti-human Mer Antibody

Background: Mer (Mertk)¹ is a member of a receptor tyrosine kinase subfamily that also includes Axl and Tyro3. Mer is expressed in blood monocytes and megakaryocytes, and in tissues of epithelial and reproductive origin. Mer protein has an apparent MW of 170-210 kDa due to differences in glycosylation pattern generated in different cell types.

Production: Mice were immunized with recombinant human Mer extracellular domain produced in Sf21 cells. The IgG fraction from the hybridoma supernatants was purified by Protein G affinity chromatography. Antibody is provided as a 1.8 mg/ml solution in PBS.

Storage: Antibody can be stored at 4° for at least two months. For longer storage antibody can be aliquoted and stored frozen at -20° or -70° for at least one year without detectable loss of activity. Avoid repeated freeze- thaw cycles.

Applications: Western blot

This antibody detects Mer expressed in human tissues and cell lines^{2,3} as well as Mer extracellular domain shed into plasma by metalloprotease cleavage³.

Recommended antibody dilution 1:1000.

References:

- 1) Graham DK. et al. (1994) Cloning and mRNA expression analysis of a novel human protooncogene, c-mer. *Cell Growth and Differ.*5:647-657.
- 2) Graham DK. et al. (2006) Ectopic expression of the proto-oncogene Mer in pediatric T cell acute lymphoblastic leukemia. *Clin. Cancer Res.* 12:2662-2669.
- 3) Sather S. et al. (2006) A soluble form of the Mer receptor tyrosine kinase inhibits macrophage clearance of apoptotic cells and platelet aggregation. *Blood*, published online October 17, 2006.