



**Category:** Monoclonal Antibodies  
**Product Name:** Mouse Monoclonal Antibody to HPRT

**Catalog Number:** MAB-606020056

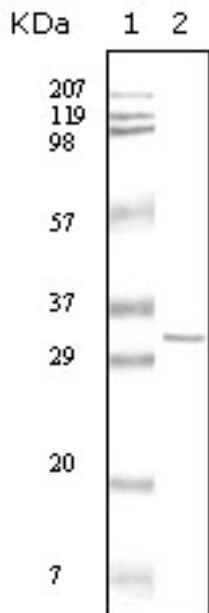


Figure 1: Western blot analysis using HPTR mouse mAb against truncated HPRT recombinant protein.

Lot#: 0601  
Clone#: 1F8D11  
Host and isotype: Mouse IgG2b  
Size: 0.1ml  
MW:  
Aliases:  
Entrez Gene:  
Species reactivity: Human

**Description** The HPRT1 gene provides instructions for making an enzyme called hypoxanthine phosphoribosyltransferase 1. This enzyme allows cells to recycle purines, some of the building blocks of DNA and its chemical cousin RNA. The enzyme hypoxanthine-guanine phosphoribosyltransferase (E.C.2.4.2.8., HPRT) plays a crucial role in uric acid synthesis and purine metabolism. This enzyme catalyzes the conversion of hypoxanthine and guanine to inosine monophosphate (IMP) and guanosine monophosphate (GMP), respectively, and uses phosphoribosylpyrophosphate (PRPP) as a cosubstrate and as a source of energy. This pathway is also known as the purine salvage pathway because it allows cells to reuse purine compounds to build DNA and RNA.

**Immunogen** Purified recombinant fragment of HPRT expressed in E. Coli.

**Application** Western Blotting: 1/500 - 1/2000.

ELISA: Propose dilution 1/10000.

Not yet tested in other applications.

Determining optimal working dilutions by titration test.

**Formulation** Ascitic fluid containing 0.03% sodium azide.

**Storage** Store at 4°C, for long term storage, store at -20°C.

**Related product**

**References** 1. Manjanatha MG, et.al Mutat Res. 2004 Mar 22;547(1-2):5-18.

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