



**Category:** Monoclonal Antibodies      **Cat. #** V7119-1      **Product Name:** Proliferation Marker- Purified, clone U250

**Description:**  
Monoclonal Mouse Anti-Human Proliferation marker of MW of 14-16 kD.

**Immunogen:**  
The PHA-induced activation of lymphocytes in the early G1 phase.

**Application:**  
Immunohistochemistry (Paraffin and Frozen) ; Western Blotting .

**Species Reactivity:**  
Human, Mouse, and Rat, others not tested.

**Presentation:**  
20 mM tris-borate, and 0.05% Sodium Azide, pH 7.5.

**Aliquoting Instructions:**  
Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies.

**Staining Procedure:**  
This antibody can be used on formalin-fixed, paraffin-embedded tissue sections. Prolonged fixation in buffered formalin can destroy the epitope. It is recommended that this product be used on frozen tissue sections or specimens. The optimal conditions should be determined by the individual laboratory.

**Specificity:**  
This antibody recognizes an antigen with a MW of 14-16 kD, as demonstrated by Western Blot analysis on the Raji Cell line. This antigen was detected after 12 hours of PHA-induced activation in the early G1 phase but absent in non-stimulated lymphocytes. This antibody can be a useful marker of cell proliferation during monitoring of tumor progression.

**Storage:**  
Store at 2~8o C for short term, freeze under -20oC for long term storage.

**Size:** 0.2mg  
**Clone:** U250 (IPO-38)  
**Isotype:** IgM  
**Host:** Mouse  
**Form:** Purified  
**Concentration:** 0.5 mg/ml  
**Units On Hand:** YES

**References:**  
1. Jurga M et al. Biomaterials 32:3423-34 (2011).  
2. Kawase-Koga Y et al. J Cell Sci 123:586-94 (2010).  
3. Emdad L et al. Mol Cancer Ther 9:79-88 (2010).

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