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**Antibody to Cytochrome P450 (2A6, 2A7, 2A13, and 2B6)  
MOUSE MONOCLONAL**

**Catalog Number:** AB-22  
**Quantity:** 1 milliliter  
**Format:** Hybridoma supernatant  
**Host:** Mouse  
**Isotype:** IgG1, k  
**Clone:** F16 P2 D8  
**Immunogen:** ovalbumin-conjugated synthetic peptide RNYTMSFLPR

**Specificity and Preparation:**

This antibody targets CYP2A6, CYP2A7, CYP2A13 and CYP2B6 in homo sapiens (predicted also macaca mulatta). The target antigen is CYP450 2A6 (EC 1.14.14.1) (CYPIIA6) (Coumarin 7-hydroxylase) (IIA3) (CYP2A3) (P450 (I)). The immunogen was ovalbumin-conjugated synthetic peptide RNYTMSFLPR in BALB-c mouse. CYP2A6, CYP2A7 and CYP2A13 have the same c-terminal sequence. (C-terminal sequence identical in human and rhesus macaque.)

**Usage and Storage:**

Applications include ELISA (undiluted, titer 1/1000), immunoblotting (western 1/10 dilution), and immunohistochemistry (1/5 dilution, antigen retrieval: microwave 20 min @ 800W in 10 mM citrate buffer, pH 6.0). Working dilutions must be determined by end user. Store the antibody at 4°C for one year. Avoid repeated freezing and thawing. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

**References:**

1. Kumarakulasingham M, Rooney PH, Dundas SR, Telfer C, Melvin WT, Curran S, Murray GI (2005) Cytochrome p450 profile of colorectal cancer: identification of markers of prognosis. Clin Cancer Res 11 (10):3758-3765.