

MONOCLONAL ANTIBODY DATASHEET



Clone F19 P2 H2 against human CYP3A7

Product Description	Monoclonal antibody directed against human CYP3A7. Does not cross-react with CYP3A4 or CYP3A5 (see below). Supplied as hybridoma supernatant (unpurified).
Storage	Store at -20°C . Avoid repeated freeze-thaw cycles.
Intended Use	For laboratory (research) purposes only.
Isotype	IgG1, k
Clone	F19 P2 H2
Immunogen	Ovalbumin-conjugated synthetic peptide; ESRDETVSGA (C-terminal sequence)
B Cell Donor	BALB-c mouse
Fusion Partner	Ag 8563
Positive Control	IHC: formalin-fixed, paraffin-embedded prostate cancer sections. Western blot: recombinant P450 (shown below @ 0.5 pmol per lane). Negative control: Gentest Cat. No. M101b.
Significance	This monoclonal antibody (MAb), when used in conjunction with the MAb specific to CYP3A5 (clone F18 P3 B6), is able to differentiate between the CYP family 3 members CYP3A5 and CYP3A7.

Applications		Recommended Usage Conditions (conditions should be optimised by the user)
ELISA	✓	Undiluted (titre: 1/1000)
Western blot	✓	1/10 dilution
IHC	✓	1/5 dilution, antigen retrieval: microwave 20 min @ 800W in 10 mM citrate buffer, pH 6.0

Clinical significance	Results observed
Colorectal cancer	- CYP3A7 showed no immunoreactivity in normal colon.
Ovarian cancer	- CYP3A7 showed a significantly greater intensity of immunohistochemical staining in ovarian cancer compared with normal ovary.

References	<p>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. <i>Clin Cancer Res.</i> 11: 3758-3765.</p> <p>Downie D, McFadyen MCE, Rooney PH, Cruickshank ME, Parkin DE, Miller ID, Telfer C, Melvin WT, Murray GI (2005) Profiling Cytochrome P450 Expression in Ovarian Cancer: Identification of Prognostic Markers. <i>Clin Cancer Res.</i> 11: 7369-7375.</p>
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ELISA TEST

3A7	2B6	2R1	2U1	4F11	26A1	2A(6/7/13)
+	-	-	-	-	-	-

Reactivity with BSA-conjugated synthetic C-terminus region derived from CYP proteins

