

CYP1A2 Monoclonal Antibody (3B8C1)

Product Details	
Size	100 µL
Species Reactivity	Human, Non-human primate, Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	3B8C1
Conjugate	Unconjugated
Immunogen	Rat cytochrome P450 protein.
Form	Liquid
Concentration	Conc. Not Determined
Storage buffer	ascites
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_1073971

Applications	Tested Dilution	Publications
Western Blot (WB)	1:250-1:500	-
Immunohistochemistry (Paraffin) (IHC (P))	1-5 µg/mL	-
Immunocytochemistry (ICC/IF)	1:20-1:200	-

Product Specific Information

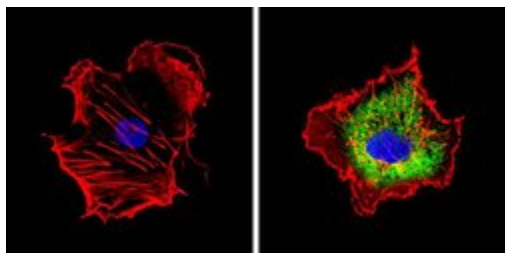
MA3-037 detects Cytochrome P450 1A2 from human and non-human primate samples.

MA3-037 has been successfully used in Western blot, immunocytochemistry and immunofluorescence applications. By Western blot, this antibody detects a ~58 kDa band representing Cytochrome P450 1A2.

The MA3-037 immunogen is rat cytochrome P450 protein.

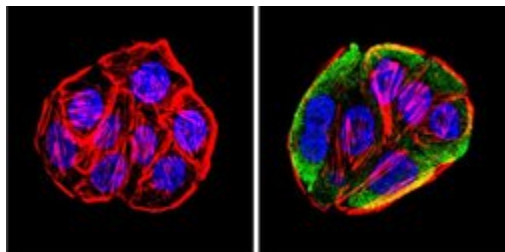
Product Images For CYP1A2 Monoclonal Antibody (3B8C1)

CYP1A2 Antibody (MA3-037) in ICC/IF



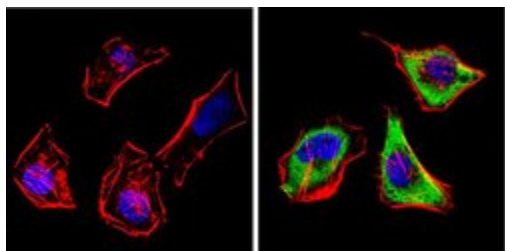
Immunofluorescent analysis of Cytochrome P450 1A2 (green) showing staining in the cytoplasm and membrane of COS-7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a Cytochrome P450 1A2 monoclonal antibody (Product # MA3-037) in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.

CYP1A2 Antibody (MA3-037) in ICC/IF



Immunofluorescent analysis of Cytochrome P450 1A2 (green) showing staining in the cytoplasm and membrane of HT29 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a Cytochrome P450 1A2 monoclonal antibody (Product # MA3-037) in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.

CYP1A2 Antibody (MA3-037) in ICC/IF



Immunofluorescent analysis of Cytochrome P450 1A2 (green) showing staining in the cytoplasm and membrane of HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a Cytochrome P450 1A2 monoclonal antibody (Product # MA3-037) in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.

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