# GOT2 Mouse Monoclonal Antibody

E10-30004

**Background:** Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and inner-membrane mitochondrial forms, GOT1 and GOT2, respectively. GOT plays a role in amino acid metabolism and the urea and tricarboxylic acid cycles. The two enzymes are homodimeric and show close homology.

**Catalog Number:** E10-30004

**Amount:** 100μg/100μl

**Clone Number:** 3E9

**Species:** Mouse IgG1

**MW** 47kDa

**Aliases:** KAT4; KATIV; mitAAT

**Entrez Gene:** 2806

**Immunogen:** Purified recombinant fragment of human GOT2 expressed in E. Coli.

**Storage:** Store at 4℃, for long term storage, store at -20℃.

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

**Species Reactivities:** Human; Mouse; Rat; Monkey

**Tested Applications:** WB, IF, ELISA. Not yet tested in other applications.

**Application notes:** WB: 1/500 - 1/2000, IF: 1/200 - 1/1000, ELISA: Propose dilution 1/10000.

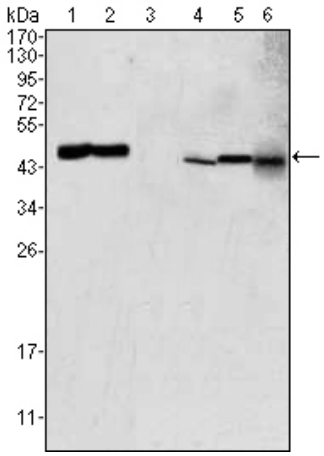


Figure 1: Western blot analysis using GOT2 mouse mAb against HEK293 (1), PC-12 (2), HL-60 (3), BCBL-1 (4), HepG2 (5) and NIH/3T3 (6) cell lysate.

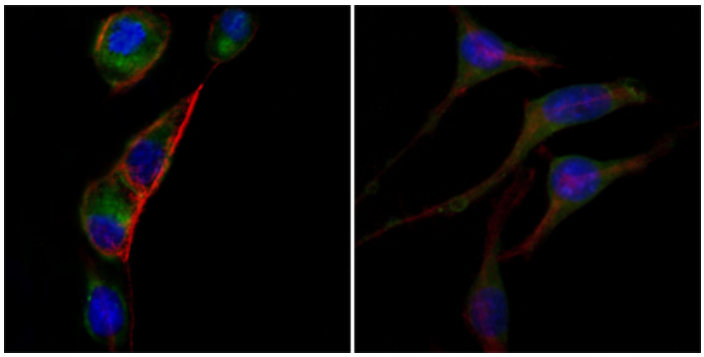

Figure 2: Immunofluorescence analysis of PC-3 (left) and SK-BR-3 (right) cells using anti-GOT2 mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

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