



## PEG10 Mouse Monoclonal Antibody

E10-20295

**Background:** PEG10: paternally expressed 10. This gene includes two overlapping reading frames of the same transcript encoding distinct isoforms. The shorter isoform has a CCHC-type zinc finger motif containing a sequence characteristic of gag proteins of most retroviruses and some retrotransposons, and it functions in part by interacting with members of the TGF-beta receptor family. The longer isoform has the active-site DSG consensus sequence of the protease domain of pol proteins. The longer isoform is the result of -1 translational frameshifting that is also seen in some retroviruses. Expression of these two isoforms only comes from the paternal allele due to imprinting. Increased gene expression (as observed by an increase in mRNA levels) is associated with hepatocellular carcinomas.

**Catalog Number:** E10-20295

**Amount:** 100 $\mu$ g/100 $\mu$ l

**Clone Number:** 1B1C4

**Species:** Mouse IgG1

**Aliases:** Edr; HB-1; Mar2; MEF3L; Mart2; RGAG3; KIAA1051

**Entrez Gene:** 23089

**Immunogen:** Purified recombinant fragment of PEG10 (aa1-120) expressed in E. Coli.

**Storage:** Store at 4  $^{\circ}$ C, ~~for short time~~, store at -20  $^{\circ}$ C

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

**Species Reactivities:** Human

**Tested Applications:** WB, IHC, IF, ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

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

