

Product datasheet for **AM10093PU-S**

Hepatocyte Specific Antigen (HSA) Mouse Monoclonal Antibody [Clone ID: OCH1E5]

Product data:

Product Type: Primary Antibodies

Clone Name: OCH1E5

Applications: IF, IHC

Recommended Dilution: **Immunofluorescence:** 0.5-1 µg/ml.

Immunohistochemistry on Frozen and Formalin-Fixed Sections: 0.5-1 µg/ml for 30 minutes at RT.

Staining of formalin-fixed tissues requires boiling tissue sections in 1mM EDTA, pH 7.5-8.5, for 10-20 min followed by cooling at RT for 20 minutes.

Recommended Positive Control: Liver or Hepatocellular Carcinoma (HCC).

Reactivity: Canine, Human

Host: Mouse

Isotype: IgG1

Clonality: Monoclonal

Immunogen: Extract of a formalin-fixed, rejected-allograft of a Human liver.

Specificity: Hepatocyte Specific Antigen, also called Hepatocyte Paraffin 1 or Hep Par 1, localizes to the mitochondria of hepatocytes. It is a sensitive marker for distinguishing hepatocellular carcinomas (HCC) from other metastatic carcinomas as well as cholangio-carcinomas. HCC's occur primarily in the stomach, but they are also found in many other organs. The Hepatocyte Specific Antigen may also be a useful marker for intestinal metaplasia. Reportedly, strong expression of the Hepatocyte Specific Antigen correlates with smaller tumor size and longer patient survival. Occasionally, Hepatocyte Specific Antigen is also found in gastric carcinomas as well as in a few other non-hepatic tumors.

Clone OCH1E5 is useful in studying hepatocellular tumors.

It may be useful in differentiating clear cell hepatocellular carcinomas from other clear cell malignancies. It has been shown in the literature to be useful in differentiating hepatoblastoma of embryonal type from small round cell tumors of childhood.

UCH1E5 labels an antigen in the mitochondrial fraction of the liver homogenates.

Cellular Localization: Finely granular cytoplasmic.



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Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Background:	Hepatoblastoma is the most common primary tumor of the liver in children. The use of specific hepatocyte markers and also of alpha Fetoprotein or carcinoembryonic antigen are useful for the identification of normal and malignant fetal hepatocytes.
Synonyms:	HepPar-1, hepatocellular carcinoma marker, hepatocyte marker