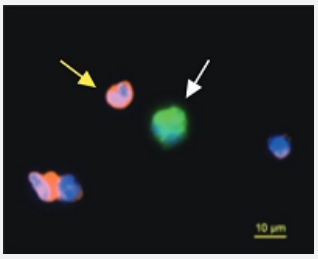
CytoQuest™ Liver Cancer ASGPR PanCK CD45 Antibody Kit

Catalog # KA4573 Size 1 Kit

Applications



Immunofluorescence (Circulating Hepatocellular Carcinoma Cell)

Representative images of hepatocellular carcinoma cell (white arrow) and WBC (yellow arrow) from patient with hepatocellular carcinoma. Hepatocellular carcinoma cells were detected by using immunofluorescence staining for PanCK (FITC, green), CD45 (PE, orange) and Nucleus (DAPI, blue).

Specification

Product Description	CytoQuest™ Liver Cancer ASGPR PanCK CD45 Antibody Kit contains antibodies for immobilizatio n and immunostaining of circulating hepatocellular carcinoma cells.
Instrument Requirement	CytoQuest™ CR
Chip Requirement	CytoChipNano
Supplied Products	Kit content: 1. Anti-ASGPR capturing antibody (Biotin): Biotin conjugated Anti-ASGPR antibody for hepatocellular carcinoma cell capturing. 2. Anti-PanCK detecting antibody (FITC): FITC conjugated Anti-PanCK antibody for hepatocellular carcinoma cell detection. 3. Anti-CD45 detecting antibody (PE): PE conjugated Anti-CD45 antibody for hepatocellular carcinoma cell detection. 4. 50X Antibody Dilution Buffer (50X ADB) *Reagents are sufficient for 20 assays using recommended protocol.
Regulatory Status	For research use only (RUO)

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Storage Instruction	Store Anti-ASGPR capturing antibody (Biotin), Anti-PanCK detecting antibody (FITC) and Anti-CD45 detecting antibody (PE) at 4°C. Store 50X Antibody Dilution Buffer (50X ADB) at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunofluorescence (Circulating Hepatocellular Carcinoma Cell)

  Representative images of hepatocellular carcinoma cell (white arrow) and WBC (yellow arrow) from patient with hepatocellular carcinoma. Hepatocellular carcinoma cells were detected by using immunofluorescence staining for PanCK (FITC, green), CD45 (PE, orange) and Nucleus (DAPI, blue).

Publication Reference

- Tumor-derived proliferative CTCs and CTC clusters predict aggressiveness and early recurrence in hepatocellular carcinoma patients.

  Lina Zhao, Jinge Song, Yulin Sun, Qiang Ju, Hong Mu, Xiu Dong, Jing Ding, Yunhe Liu, Xuebing Wang, Liying Sun, Jianxiong Wu, Yuchen Jiao, Shichun Lu, Xiaohang Zhao

  Cancer Med 2023 Jul; 12(13):13912-1392.

- Integrated analysis of circulating tumour cells and circulating tumour DNA to detect minimal residual disease in hepatocellular carcinoma.

  Lina Zhao, Liping Jiang, Yunhe Liu, Xuebing Wang, Jinge Song, Yulin Sun, Yinlei Bai, Xiu Dong, Liying Sun, Jianxiong Wu, Yuchen Jiao, Xiaohang Zhao

  Clin Transl Med 2022 4; 12(4):e793.

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