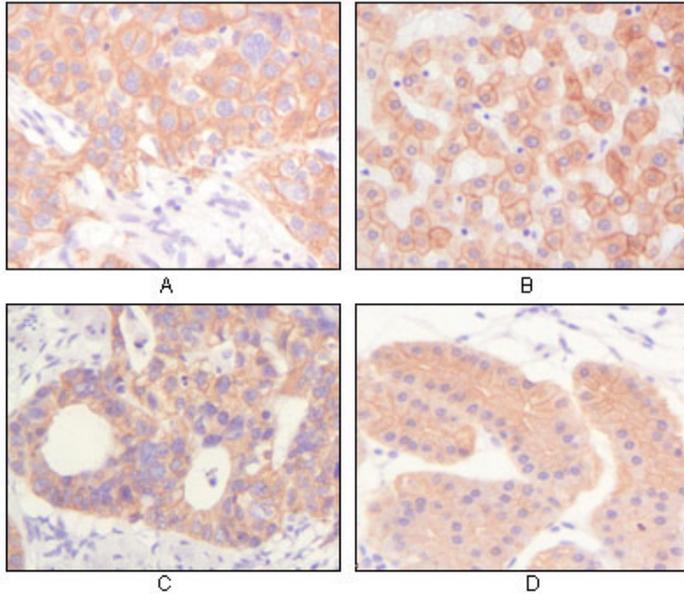




Category: Monoclonal Antibodies

Catalog Number: MAB-606020335

Product Name: Mouse Monoclonal Antibody to Cytokeratin (Pan)



Lot#:
Clone#: 7H8
Host and isotype: Mouse IgG1
Size: 0.1ml
MW:
Aliases: K5; DDD; EBS2;
KRT5A; KRT5
Entrez Gene: 3852
Species reactivity: Human

Figure 1: Immunohistochemical analysis of paraffin-embedded human lung squamous cell carcinoma (A), normal hepatocyte (B), colon adenocarcinoma, normal stomach tissue (D), showing cytoplasmic and membrane localization using CK mouse mAb with DAB staining.

Description Biochemically, most members of the CK family fall into one of two classes, type I (acidic polypeptides) and type II (basic polypeptides). The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. Cytokeratins comprise a diverse group of intermediate filament proteins (IFPs) that are expressed as pairs in both keratinized and non-keratinized epithelial tissue. Cytokeratins play a critical role in differentiation and tissue specialization and function to maintain the overall structural integrity of epithelial cells. Cytokeratins have been found to be useful markers of tissue differentiation which is directly applicable to the characterization of malignant tumors.

Immunogen Purified recombinant fragment of Cytokeratin 5 expressed in E. Coli.

Application Immunohistochemistry: 1/200 - 1/1000.

Immunofluorescence: 1/200 - 1/1000.

ELISA: Propose dilution 1/10000.

Not yet tested in other applications.

Determining optimal working dilutions by titration test.

Formulation Ascitic fluid containing 0.03% sodium azide.

Storage Store at 4°C, for long term storage, store at -20°C.

Related product

References 1. Vet Rec. 2006, Dec 16, 159(25): 839-43.

2. J Cell Biochem. 2007, Apr 15, 100(6): 1406-14.

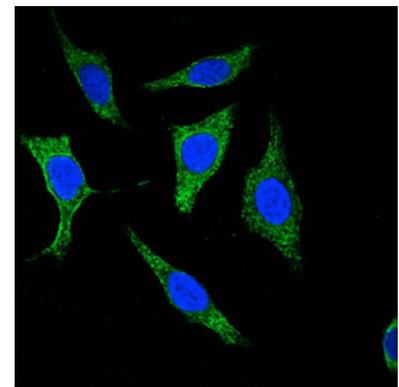


Figure 2: Confocal immunofluorescence analysis of methanol-fixed Eca-109 cells using Cytokeratin (Pan) mouse mAb (green), showing cytoplasmic localization. Blue: DRAQ5 fluorescent DNA dye.

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