

Mouse Monoclonal Antibody to Cytokeratin (Pan)

Catalogue Number	sAP-0116
Target Molecule	Name: Cytokeratin (Pan) Aliases: K5; DDD; EBS2; KRT5A; KRT5 MW: N/A Entrez Gene ID: 3852
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 CK5 expressed in E. Coli.
Recitative Species	Human
Clone	MM7H8C4;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Scope A. Schwendenwein I. Frommlet F. Vet Rec. 2006, Dec 16, 159(25): 839-43. ; 2. Somjen D. Katzburg S. Posner GH. et al. J Cell Biochem. 2007, Apr 15, 100(6): 1406-14. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**