

Mouse Monoclonal Antibody to Cytokeratin 5

Catalogue Number	sAP-0115
Target Molecule	Name: Cytokeratin 5 Aliases: K5; DDD; EBS2; KRT5A; KRT5 MW: N/A Entrez Gene ID: 3852
Description	CK5 (keratin 5) is a member of the keratin gene family. 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. This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. At least one member of the acidic family and one member of the basic family is expressed in all epithelial cells. Cytokeratin 5 is expressed in normal basal cells. Mutations of the Cytokeratin5 gene (KRT5) have been shown to result in the autosomal dominant disorder epidermolysis bullosa.
Immunogen	Purified recombinant fragment of CK5 expressed in E. Coli.
Reactive Species	Human
Clone	MM3E2F1;
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
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Canedo-Patzl AM. Leon-Bojorge B. de Ortiz-Hidalgo C. Gac Med Mex. 2006, Jan-Feb, 142(1):59-66. Spanish. ; 2. Leibl S. Moirand F. Am J Surg Pathol. 2006, Apr, 30(4):450-6. ;

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**