

Mouse Anti-KRT19 Monoclonal Antibody

CAB-1924MH Mouse(KRT19)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Mouse Anti-KRT19 Monoclonal Antibody
Antigen Description	The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21.
specificity	Ks 19.1. No reaction with hepatocellular carcinoma. Reactive with cytokeratin 19 rod fragment. Polypeptide reacting: Mr 40,000 polypeptide (cytokeratin 19) of human glandular epithelia. The epitope has been localized on a.a. 311-335 (QSQLSMKAALEDTLAET EARFGAQL) of the alpha-helical fragment. No reaction with hepatocellular carcinoma. Tumors specifically detected: All tested adenocarcinoma; cholangio ca. of liver; renal cell carcinoma; transitional cell ca. of the bladder; ovary ca.; squamous cell ca. of cervix, bronchus and lung (intermediate type); mesothelioma; carcinoid tumor of bronchus; breast ca.; thymoma.
Target	KRT19
Immunogen	Cytokeratin 19 of Mr 40,000; from cultured human MCF-7 cells
Host	Mouse
Isotype	IgG2a
Source	Ascites
Species	Human
Clone	Ls 19.1
Affinity Constant	Not determined
Purification	Protein A chromatography
conjugation	N/A
Applications	ELISA,WB,IFA,IHC

PACKAGING

Format	Purified, Lyophilized Reconstitute in 1ml distilled water.
Concentration	50ug/ml (prior to lyophilization)50ug/ml (prior to lyophilization)
Buffer	Lyophilized from PBS, pH 7.4 containing 0.5 % BSA
Storage	After reconstitution, short term (up to 1 year) store at 2-8°C. Long term, aliquot and store at –20°C. Avoid multiple freeze/thaw cycles.
Preservative	0.09 % Sodium azide
Warning	This product contains sodium azide, which has been classified as Xn (Harmful) in European Directive 67/548/EEC in the concentration range of 0.1–1.0 %. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

ANTIGEN GENE INFORMATION

Gene Name	KRT19 keratin 19 [Homo sapiens]
Official Symbol	KRT19
Synonyms	KRT19; keratin 19; keratin, type I cytoskeletal 19; 40 kDa keratin intermediate filament; CK19; cytokeratin 19; K1CS; K19; keratin; type I cytoskeletal 19; type I; 40 kd; MGC15366; CK-19; keratin-19; cytokeratin-19; keratin, type I, 40-kd; 40-kDa keratin intermediate filament;
GeneID	3880
mRNA Refseq	NM_002276
Protein Refseq	NP_002267
MIM	148020
UniProt ID	P08727
Chromosome Location	17q21-q23
Pathway	Signaling mediated by p38-alpha and p38-beta, organism-specific biosystem;
Function	protein binding; structural constituent of cytoskeleton; structural constituent of muscle;