

Mouse Anti-KRT8 Monoclonal Antibody

CAB-1918MH Mouse(KRT8)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Mouse Anti-KRT8 Monoclonal Antibody
Antigen Description	This gene is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. The product of this gene typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. Mutations in this gene cause cryptogenic cirrhosis.
specificity	Recognizes all simple epithelia including glandular epithelia. Does not react with stratified squamous epithelium. Useful for the differentiation between carcinomas and lymphomas. Directed against the 52.2 kD cytokeratin 8 (originally reported also as 45 kD cytokeratin 18 in the Moll-catalogue) in immunoblotting. Epitope has been mapped to aa 353-367 on alpha helical rod domain of cytokeratin 8. Does not react with mouse or rat.
Target	KRT8
Immunogen	Isolated from human breast cancer carcinoma cell line MCF-7
Host	Mouse
Isotype	IgG2a
Source	Ascites
Species	Human
Clone	OCL-5D3
Affinity Constant	Not determined
Purification	Not applicable
conjugation	N/A
Applications	IHC

PACKAGING

Format	Diluted Ascites, Liquid
Concentration	Not determinedNot determined
Buffer	PBS containing 1 % BSA
Storage	Short term, store at 2–8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.
Preservative	0.1 % 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 [KRT8 keratin 8 \[Homo sapiens \]](#)

Official Symbol	KRT8
Synonyms	KRT8; keratin 8; keratin, type II cytoskeletal 8; CARD2; CK8; CYK8; K2C8; K8; KO; cytokeratin 8; cytokeratin-8; type-II keratin Kb8; CK-8;
GeneID	3856
mRNA Refseq	NM_001256282
Protein Refseq	NP_001243211
MIM	148060
UniProt ID	P05787
Chromosome Location	12q13
Pathway	EGFR1 Signaling Pathway, organism-specific biosystem; Signaling mediated by p38-alpha and p38-beta, organism-specific biosystem;
Function	protein binding; structural molecule activity;