

anti-Human Modified cytokeratin Antibody | anti-KRT8 antibody

Anti-Modified cytokeratin [COU-1]

CATALOG # AAA72380	REACTIVITY Human	APPLICATIONS ELISA, Western Blot, Immunohistochemistry, Immunocytochemistry
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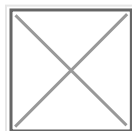
PRODUCT SYNONYMS

Modified cytokeratin; Anti-Modified cytokeratin [COU-1]; KRT8; CYK8; Keratin type II cytoskeletal 8; Cytokeratin-8; Type-II keratin Kb8; KRT18; CYK18; Keratin type I cytoskeletal 18; Cytokeratin-18; Cell proliferation-inducing gene 46 protein; COU1; B9165; ECACC 87040201; anti-KRT8 antibody

PRODUCT SPECIFICATIONS

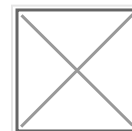
Reactivity	Human
Isotype	Human IgM kappa
Clone Number	COU-1
Specificity	This antibody binds modified forms of human cytokeratin 8 and cytokeratin 18. It is reported that this antibody recognizes an intracellularly located cytokeratin protein that is strongly expressed in adenocarcinomas.
Purity/Purification	Affinity Purified using a recombinant lectin column
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-KRT8 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry)
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of HeLa cells with anti-Modified cytokeratin antibody COU-1 . Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton, on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of COU-1 (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show, from left-right, top-bottom,, DAPI, merged channels, and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



FCM/FACS (Flow Cytometry)

Flow cytometry using anti-Modified cytokeratin antibody COU-1 . Paraformaldehyde fixed HeLa cells permeabilized with 0.5% Triton were stained with the anti-unknown specificity antibody (isotype control, black line) or the rabbit IgG version of COU-1 at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000, and the cells were analyzed using a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

Related Product Information for anti-KRT8 antibody	The original antibody was generated by fusing the human lymphoblastoid cell line WI-L2-729-HF2 with lymphocytes obtained from mesenteric lymph nodes from a colon cancer patient. Describes the generation of a human-human hybridoma with lymphocytes from patients with colorectal cancer.
Product Categories/Family for anti-KRT8 antibody	muscle; microfilaments; keratin; cancer; oncology; tumor localization; tumor imaging
References	Christensen et al. Int J Cancer. 1986 May 15;37(5):683-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	372466577
NCBI GeneID	3856
NCBI Accession #	NP_001243222.1
NCBI GenBank Nucleotide #	NM_001256293.1
UniProt Accession #	P05787; P05783
Molecular Weight	53,704 Da
NCBI Official Full Name	keratin, type II cytoskeletal 8 isoform 2
NCBI Official Synonym Full Names	keratin 8
NCBI Official Symbol	KRT8
NCBI Official Synonym Symbols	K8; KO; CK8; CK-8; CYK8; K2C8; CARD2
NCBI Protein Information	keratin, type II cytoskeletal 8; cytokeratin 8; cytokeratin-8; type-II keratin Kb8
UniProt Protein Name	Keratin, type II cytoskeletal 8
UniProt Gene Name	KRT8
UniProt Synonym Gene Names	CYK8; CK-8; K8
UniProt Entry Name	K2C8_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-antibody/modified-cytokeratin/72380>