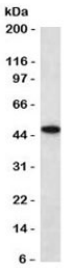
Recombinant Keratin 18 Antibody CTKN18-2R / Cytokeratin 18 [clone CTKN18-2R] (V7395)

Catalog No.	Formulation	Size
V7395-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7395-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7395SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7395IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

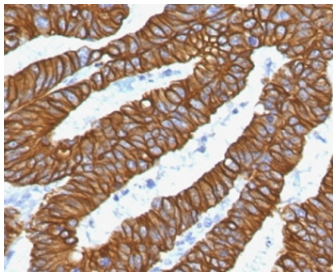
Recombinant RABBIT MONOCLONAL

Bulk quote request

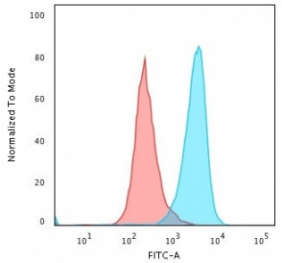
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	CTKN18-2R
Purity	Protein A affinity chromatography
UniProt	P05783
Localization	Cytoplasmic
Applications	Flow cytometry: 1-2ug/10^6 cells Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Prediluted IHC only format: incubate for 30 min at RT (1)
Limitations	This Recombinant Keratin 18 Antibody CTKN18-2R is available for research use only.



Western blot testing of human HCT116 antibody with Recombinant Keratin 18 Antibody CTKN18-2R. Predicted molecular weight ~48 kDa.



IHC staining of FFPE human colon carinoma with recombinant Keratin 18 antibody (clone CTKN18-2R). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min and allow to cool before testing.



Flow cytometry testing of PFA-fixed human HeLa cells with recombinant Keratin 18 antibody (clone CTKN18-2R); Red=isotype control, Blue= recombinant Keratin 18 antibody.

Description

Recombinant Keratin 18 Antibody CTKN18-2R is a type I cytokeratin the reacts with Cytokeratin 18. It is, together with its filament partner keratin 8, perhaps the most commonly found products of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for this gene. Keratin 18 is often used together with keratin 8 and keratin 19 to differentiate cells of epithelial origin from hematopoietic cells in tests that enumerate circulating tumor cells in blood. [Wiki]

Explore our Cytokeratin 18 Antibody KRT18/835 for additional research into KRT18 expression, epithelial differentiation, and cytoskeletal organization in normal tissues and carcinomas.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Recombinant Keratin 18 Antibody CTKN18-2R may be required due to differences in protocols and secondary/substrate sensitivity.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Human full length recombinant protein was used as the immunogen for the recombinant Keratin 18 antibody.

Storage

Store the recombinant Keratin 18 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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