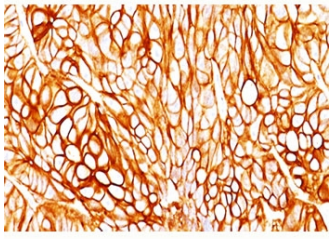
Cytokeratin 18 Antibody [clone DA7] (V2178)

Catalog No.	Formulation	Size
V2178-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2178-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2178SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2178IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

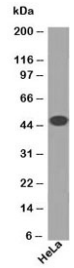
Citations (3)

Bulk quote request

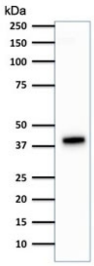
Species Reactivity	Human, Rat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	DA7
Purity	Protein G affinity chromatography
Gene ID	3875
Localization	Cytoplasmic
Applications	Flow Cytometry : 1-2ug/10^6 cells Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT (1) (2)
Limitations	This **Cytokeratin 18 antibody** is available for research use only.



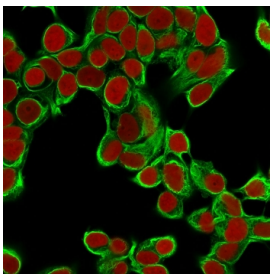
IHC testing of FFPE human colon cancer stained with Cytokeratin 18 antibody (clone DA7).



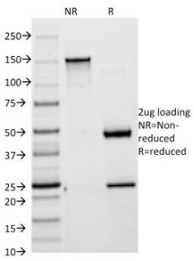
Western blot testing of human HeLa cell lysate using Cytokeratin 18 antibody (clone DA7). Predicted molecular weight ~48 kDa.



Western blot testing of human HCT116 cell lysate using Cytokeratin 18 antibody (clone DA7). Predicted molecular weight ~48 kDa.



Immunofluorescent staining of permeabilized human MCF7 cells with Cytokeratin 18 antibody (clone DA7, green) and Reddot nuclear stain (red).



SDS-PAGE analysis of purified, BSA-free Cytokeratin 18 antibody (clone DA7) as confirmation of integrity and purity.

Description

This cytokeratin 18 antibody reacts with a wide variety of simple epithelia. It does not react with stratified squamous epithelia. It reacts with epithelial tumors of the gastrointestinal tract, lung, breast, pancreas, ovary, and thyroid. Cytokeratin 18, which belongs to the type A (acidic) subfamily of low molecular weight keratins, exists in combination with cytokeratin 8. It is reported that tissues from gastrointestinal tract are positive for both cytokeratin 18 and 8 but do not contain cytokeratin 14. Tissues from gastrointestinal tract, respiratory tract and urogenital tract, as well as endocrine and exocrine tissues and mesothelial cells are positive for cytokeratin 18.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titered up or down for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.
2. 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 breast cancer PMC 42 cells were used as the immunogen for this antibody.

Storage

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

Alternate Names

Cell Proliferation-inducing Gene 46 Protein; CK18; CYK18 Cytokeratin Endo B; K18; Keratin-18; Kerd; KRT18, Cytokeratin 18 antibody

References (2)