abcam

Product datasheet

FITC Anti-Cytokeratin 19 antibody [SB39g] ab87014

6 References 2 Images

Overview

Product name	FITC Anti-Cytokeratin 19 antibody [SB39g]
Description	FITC Mouse monoclonal [SB39g] to Cytokeratin 19
Host species	Mouse
Conjugation	FITC. Ex: 493nm, Em: 528nm
Tested applications	**Suitable for:** ICC, Flow Cyt (Intra)
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant fragment (Human)
Positive control	Flow Cyt (Intra): HT29 cells ELISA and IHC: HT29 and HCC38 cells WB: HT29 and HCC38 cell lysates
General notes	Monoclonal antibodies to cytokeratin proteins can be useful markers for tumor identification and classification. This product was changed from ascites to tissue culture supernatant on 17th September 2019. Lot numbers higher than GR3224453 are from tissue culture supernatant. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	pH: 7.4 Preservative: 0.1% Sodium azide Constituent: PBS
Purity	Tissue culture supernatant

Primary antibody notes	Monoclonal antibodies to cytokeratin proteins can be useful markers for tumor identification and classification.
Clonality	Monoclonal
Clone number	SB39g
Isotype	IgG2a

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab87014 in the following tested applications.

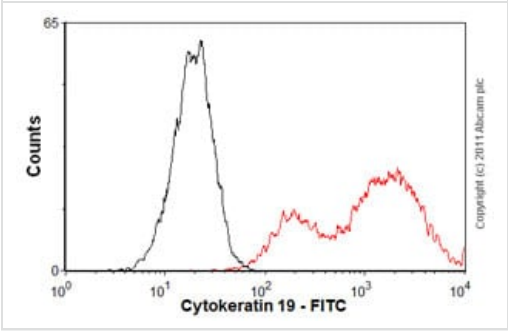
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC		Use at an assay dependent concentration.
Flow Cyt (Intra)		Use at an assay dependent concentration. **ab91362** - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

Target

Function	Involved in the organization of myofibers. Together with KRT8, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.
Tissue specificity	Expressed in a defined zone of basal keratinocytes in the deep outer root sheath of hair follicles. Also observed in sweat gland and mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, ectocervical epithelium (at protein level). Expressed in epidermal basal cells, in nipple epidermis and a defined region of the hair follicle. Also seen in a subset of vascular wall cells in both the veins and artery of human umbilical cord, and in umbilical cord vascular smooth muscle. Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma in structures that contain dystrophin and spectrin.
Sequence similarities	Belongs to the intermediate filament family.
Developmental stage	Present in hair follicles at all stages of development.
Domain	This keratin differs from all other IF proteins in lacking the C-terminal tail domain.

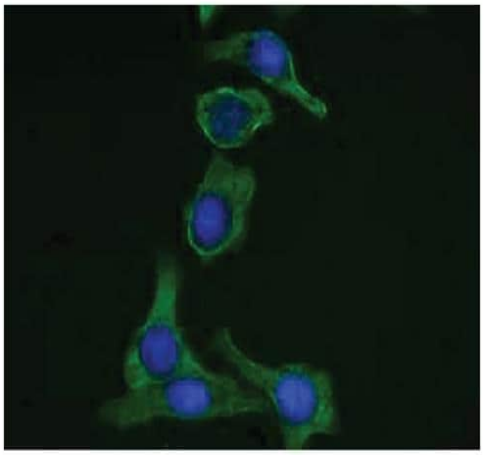
Images



Flow Cytometry (Intracellular) - FITC Anti-Cytokeratin 19 antibody [SB39g] (ab87014)

Overlay histogram showing MCF-7 cells stained with ab87014 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab87014, 0.5µg/1x10^6 cells) for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2a (FITC) (1µg/1x10^6 cells) for 30 min at 22°C. Acquisition of >5,000 events was performed. This antibody gave a positive signal in MCF-7 cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

This image was generated using the ascites version of the product.



Immunocytochemistry - FITC Anti-Cytokeratin 19 antibody [SB39g] (ab87014)

Ab87014 staining Cytokeratin 19 in MIA PaCa-2 cells (Human pancreatic carcinoma cell line) .

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