

# Anti-Keratin19 [BA17]

**Catalogue number:** 151077

**Sub-type:** Primary antibody

**Images:**

## Contributor

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**Institute:** Cancer Research UK, London Research Institute: Lincoln's Inn Fields

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-Keratin19 [BA17]

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** Keratins are a family of intermediate filament proteins that assemble into filaments through forming heterodimers of one type I keratin (keratins 9 to 23) and one type II keratin (keratins 1 to 8). Keratins demonstrate tissue and differentiation specific expression profiles. Keratin 19 (a cytokeratin) is the smallest human keratin and is found in many simple and some non-keratinising stratified squamous epithelia. The degree of keratin 19 positivity in breast cancer distinguishes malignant from benign tumours. Keratin 19 is often co-expressed with keratin 7.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** Detergent-insoluble extract of human mammary epithelial organoids.

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Keratin 19

**Target alternate names:**

**Target background:** Keratins are a family of intermediate filament proteins that assemble into filaments through forming heterodimers of one type I keratin (keratins 9 to 23) and one type II keratin (keratins 1 to 8). Keratins demonstrate tissue and differentiation specific expression profiles. Keratin 19 (a cytokeratin) is the smallest human keratin and is found in many simple and some non-keratinising stratified squamous epithelia. The degree of keratin 19 positivity in breast cancer distinguishes malignant from benign tumours. Keratin 19 is often co-expressed with keratin 7.

**Molecular weight:** 40 kDa

**Ic50:**

## Applications

**Application:** FACS ; IHC ; IP ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 0.9-1.1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** -15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:** Bartek et al. 1985. Int J Cancer. 36(3):299-306. PMID: 2411673. ; Patterns of expression of keratin 19 as detected with monoclonal antibodies in human breast tissues and tumours. ; Bartek et al. 1985. J Cell Sci. 75:17-33. PMID: 2413060. ; A subclass of luminal epithelial cells in the human mammary gland, defined by antibodies to cytokeratins.

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