

Datasheet for ABIN7655943

## Recombinant anti-KRT15 antibody (CF®568)



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### Overview

|                |                                                                                                                                |
|----------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:      | 100 µL                                                                                                                         |
| Target:        | KRT15                                                                                                                          |
| Reactivity:    | Human, Rat, Cow                                                                                                                |
| Host:          | Rabbit                                                                                                                         |
| Antibody Type: | Recombinant Antibody                                                                                                           |
| Clonality:     | Monoclonal                                                                                                                     |
| Conjugate:     | This KRT15 antibody is conjugated to CF®568                                                                                    |
| Application:   | Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp)) |

### Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| Purpose:         | Cytokeratin 15 (Esophageal Squamous Cell Carcinoma Marker) (KRT15/2103R), CF568 conjugate                                                                                                                                                                                                                                                                                                                                                                                                    |
| Immunogen:       | Recombinant human KRT15 protein                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Clone:           | KRT15-2103R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Isotype:         | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Characteristics: | Keratin 15 is a type I keratin which is expressed only in basal keratinocytes in stratified epithelia and does not appear to have a natural type II expression partner. Keratin 15 is downregulated in activated keratinocytes. Cytokeratin 15 is a specific marker of stem cells of the hair-follicle bulge and may be a useful marker for diagnosis between basal cell carcinoma (BCC) and trichoepithelioma. Trichoblastoma are benign neoplasms of follicular differentiation frequently |

## Product Details

found in nevus sebaceous. Many morphologic features are shared with nodular basal cell carcinoma, sometimes rendering a diagnosis difficult. Trichoblastoma and BCC show variable expression of Cytokeratin 15 and Cytokeratin 19, and absence of hair keratins. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

## Target Details

|                   |                                                                                                                                                                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | KRT15                                                                                                                                                                                                                                                                         |
| Alternative Name: | Keratin 15                                                                                                                                                                                                                                                                    |
| Background:       | Synonyms: CK15, Cytokeratin 15, K1CO, Ka15, Keratin 15 basic, Keratin 15 beta, Keratin complex 1 acidic gene 15, Keratin type I cytoskeletal 15, KRT15, KRTB, KRTL15, Type I cytoskeletal 15, Type I keratin Ka15<br>Gene Symbol: KRT15<br>Tissue Expression: Epidermal cells |
| Molecular Weight: | 52 kDa                                                                                                                                                                                                                                                                        |
| Gene ID:          | 3866                                                                                                                                                                                                                                                                          |
| UniProt:          | <a href="#">P19012</a>                                                                                                                                                                                                                                                        |

## Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Comment:           | Positive Control: A431 cells. Skin or Colon                        |
| Restrictions:      | For Research Use only                                              |

## Handling

|                |                              |
|----------------|------------------------------|
| Format:        | Liquid                       |
| Concentration: | 0.1 mg/mL                    |
| Buffer:        | PBS, 0.1 % BSA, 0.05 % azide |
| Preservative:  | Sodium azide                 |

## Handling

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|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
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| Handling Advice: | Protect from light |
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|          |      |
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| Storage: | 4 °C |
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| Storage Comment: | Stable at room temperature or 37°C for 7 days.<br>Protect from light<br>Store at 2 to 8°C. Protect fluorescent conjugates from light |
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| Expiry Date: | 24 months |
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