

Datasheet for ABIN7655939  
**anti-KRT15 antibody (CF®647)**



[Go to Product page](#)

## Overview

|              |                                                                                                                                |
|--------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                                                                         |
| Target:      | KRT15                                                                                                                          |
| Reactivity:  | Human                                                                                                                          |
| Host:        | Mouse                                                                                                                          |
| Clonality:   | Monoclonal                                                                                                                     |
| Conjugate:   | This KRT15 antibody is conjugated to CF®647                                                                                    |
| Application: | Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp)) |

## Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Cytokeratin 15 (Esophageal Squamous Cell Carcinoma Marker)(KRT15/2554), CF647 conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Immunogen:       | Recombinant full-length human KRT15 protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Clone:           | KRT15-2554                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Isotype:         | IgG2b, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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 down regulated 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 found in nevus sebaceous. Many morphologic features are shared with nodular basal cell carcinoma, sometimes rendering a diagnosis difficult. Trichoblastoma and BCC show variable |

## Product Details

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

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

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | 0.1 mg/mL                                                                                                              |
| Buffer:            | PBS, 0.1 % BSA, 0.05 % azide                                                                                           |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

Handling

|                  |                                                                                                                                      |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Handling Advice: | Protect from light                                                                                                                   |
| Storage:         | 4 °C                                                                                                                                 |
| 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 |
| Expiry Date:     | 24 months                                                                                                                            |