

Datasheet for ABIN6172478  
**anti-KRT15 antibody (C-Term) (CF®640R)**



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## Overview

|                      |                                                                                                                              |
|----------------------|------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                       |
| Target:              | KRT15                                                                                                                        |
| Binding Specificity: | C-Term                                                                                                                       |
| Reactivity:          | Human, Rat, Cow                                                                                                              |
| Host:                | Mouse                                                                                                                        |
| Clonality:           | Monoclonal                                                                                                                   |
| Conjugate:           | This KRT15 antibody is conjugated to CF®640R                                                                                 |
| Application:         | Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS),<br>Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

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| Purpose:         | Mouse Monoclonal anti-Cytokeratin 15 (LHK15), CF640R Conjugate                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Immunogen:       | A 17 amino acids synthetic peptide from the C- terminal of Human Cytokeratin 15 (exact sequence is proprietary)                                                                                                                                                                                                                                                                                                                                                                             |
| Clone:           | LHK15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Isotype:         | IgG2a kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Characteristics: | 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 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 |

## Product Details

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 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: | Cytokeratin 15 ( <a href="#">KRT15 Products</a> )                                                                                                                                                       |
| Background:       | 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 |
| Molecular Weight: | 52 kDa                                                                                                                                                                                                  |
| Gene ID:          | 3866, 654570                                                                                                                                                                                            |
| UniProt:          | <a href="#">P19012</a>                                                                                                                                                                                  |

## Application Details

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| Application Notes: | Immunohistology (frozen or formalin) 0.5-1 µg/mL <ul style="list-style-type: none"><li>• Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min</li><li>• Flow Cytometry 0.5-1 µg/million cells/0.1 mL</li><li>• Immunofluorescence 1-2 µg/mL</li><li>• Western blotting 0.5-1 µg/mL</li><li>• Optimal dilution for a specific application should be determined by user</li></ul> |
| Comment:           | A431 cells. Skin or Colon                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Handling

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|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | 100 µg/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 Advice:   | Protect from light                                                                                                     |