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## Datasheet for ABIN6162000 anti-KRT1 antibody

### Overview

Quantity:	100 µL
Target:	KRT1
Reactivity:	Human, Rat, Mouse, Rabbit, Chicken, Cow, Monkey, Dog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KRT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

### Product Details

Purpose:	Mouse Monoclonal anti-Cytokeratin, HMW (AE-3), Purified, with BSA
Immunogen:	Human epidermal keratin
Clone:	AE-3
Isotype:	IgG1 kappa
Characteristics:	This MAb recognizes basic (Type II or HMW) cytokeratins, which include 67 kDa (CK1), 64 kDa (CK3), 59 kDa (CK4), 58 kDa (CK5), 56 kDa (CK6), 52 kDa (CK8). Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. The acidic keratins have molecular weights (MW) of 56.5, 55, 51, 50, 50, 48, 46, 45, and 40 kDa. MAb AE3 recognizes the 65-67, 64, 59, 58, 56, and 52 kDa keratins of basic subfamily. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. AE1/AE3 is a broad spectrum anti pan-keratin antibody cocktail, which differentiates epithelial tumors

## Product Details

from non-epithelial tumors e.g. squamous vs. adenocarcinoma of the lung, liver carcinoma, breast cancer, and esophageal cancer. 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.

Purification: Purified

## Target Details

Target: KRT1

Alternative Name: Cytokeratin, HMW ([KRT1 Products](#))

Background: KRT2B, KRT2P, HUMCYT2A, Keratin, type II Cytoskeletal 2 oral, K76, Keratin 2p (K2P), Keratin-76, Cytokeratin-2P (CK-2P, Type-II Keratin Kb9

Molecular Weight: 52-67 kDa

Gene ID: 51350, 654392

UniProt: [Q01546](#)

## Application Details

Application Notes: Immunohistology formalin-fixed 0.25-0.5 µg/mL

- 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 minutes
- Flow Cytometry 0.5-1 µg/million cells/0.1 mL
- Immunofluorescence 1-2 µg/mL
- Western blotting 0.5-1 µg/mL
- Optimal dilution for a specific application should be determined by user

Comment: Epithelial cells, Skin or Adenocarcinomas

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 200 µg/mL

Buffer: PBS/0.05 % BSA/0.05 % azide

## Handling

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Preservative:	Sodium azide
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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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