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Datasheet for ABIN6161973
anti-KRT1 antibody (CF®647)

Overview

Quantity:	100 µL
Target:	KRT1
Reactivity:	Human, Rat, Mouse, Rabbit, Chicken, Cow, Monkey, Dog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KRT1 antibody is conjugated to CF®647
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), CF647 Conjugate
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.

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 <ul style="list-style-type: none">• 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:	100 µg/mL
Buffer:	PBS/0.1 % BSA/0.05 % azide
Preservative:	Sodium azide

Handling

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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