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Datasheet for ABIN6161965 anti-KRT1 antibody (CF®405S)



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®405S
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), CF405S Conjugate
Immunogen:	Human epidermal keratin
Clone:	AE-3
Isotype:	lgG1 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 (pl 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

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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	
- Turianing	
Format:	Liquid
Concentration:	100 μg/mL
Buffer:	PBS/0.1 % BSA/0.05 % azide
Preservative:	Sodium azide

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Handling	
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

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