

Datasheet for ABIN6178714
anti-Keratin Acidic (AE1) antibody (CF®647)



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Overview

Quantity:	100 µL
Target:	Keratin Acidic (AE1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	CF®647
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Mouse Monoclonal anti-Cytokeratin, Acidic (KRTL/1377), CF647 Conjugate
Immunogen:	Recombinant human KRT77 protein fragment (exact sequence is proprietary)
Clone:	KRTL-1377
Isotype:	IgG1
Characteristics:	This MAb recognizes the 56.5 kDa (CK10), 50 kDa (CK14), 50 kDa (CK15), 48 kDa (CK16), 40 kDa (CK19) keratins of the acidic (Type I or LMW) subfamily. 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. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. 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

Product Details

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:	Keratin Acidic (AE1)
Alternative Name:	Cytokeratin, Acidic (AE1 Products)
Background:	K1B, KRT1B, K77, CK-1B, Keratin 1B, Keratin-77, Cytokeratin-1B
Molecular Weight:	56.5 kDa (CK10), 50 kDa (CK14), 50 kDa (CK15), 48 kDa (CK16), 40 kDa (CK19)
Gene ID:	374454, 334989
UniProt:	Q7Z794

Application Details

Application Notes:	Immunohistology (formalin) 1-2 µg/mL <ul style="list-style-type: none">Immunofluorescence 1-2 µg/mL Western blotting 0.5-1 µg/mLStaining 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 minFlow Cytometry 0.5-1 µg/million cells/0.1 mLOptimal dilution for a specific application should be determined by user
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Comment:	Skin, Squamous cell carcinoma (SCC)
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	100 µg/mL
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Buffer:	PBS/0.1 % BSA/0.05 % azide
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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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Handling Advice:	Protect from light
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