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## Datasheet for ABIN6937737 **anti-Keratin 77 antibody**

### Overview

Quantity:	100 µg
Target:	Keratin 77 (KRT77)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Keratin 77 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

### Product Details

Immunogen:	Human epidermal keratin
Clone:	AE-1
Isotype:	IgG1 kappa
Specificity:	<p>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 , 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.</p> <p>AE1/AE3 is a broad spectrum anti pan-keratin antibody cocktail, which differentiates epithelial tumors from non-epithelial tumors e.g. squamous vs. adenocarcinoma of the lung, liver carcinoma, breast cancer, and esophageal cancer.</p>

## Product Details

Cross-Reactivity (Details): Human. Monkey. Cow. Dog. Rabbit. Mouse. Rat. Chicken. Turtle.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

## Target Details

Target: Keratin 77 (KRT77)

Alternative Name: KRT77 ([KRT77 Products](#))

Background: K1B, KRT1B, Keratin, type II cytoskeletal 1b, K77, CK-1B, Keratin 1B, Keratin-77, Cytokeratin-1B, Type-II Keratin Kb39, Cytokeratin, Acidic (Type I or LMW) (Epithelial Marker)  
Cellular localisation: Cytoplasmic

Molecular Weight: 40-56.5kDa

Gene ID: 374454, 334989

UniProt: [Q7Z794](#)

## Application Details

Application Notes: Known\_Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.  
Positive\_Control: Skin or squamous cell carcinoma (IHC).

Restrictions: For Research Use only

## Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C, -80 °C

Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months