

Datasheet for ABIN6939168

**anti-COL7A1 antibody**

5 Images

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## Overview

Quantity:	100 µg
Target:	COL7A1
Reactivity:	Human, Cow, Goat, Guinea Pig, Horse, Sheep
Host:	Mouse
Clonality:	Monoclonal
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Coating (Coat), Staining Methods (StM)

## Product Details

Immunogen:	Recombinant full-length human Collagen VII protein
Clone:	LH7-2
Isotype:	IgG2a kappa
Specificity:	Recognizes an epitope located on collagenase digested Type VII collagen (150 kDa), i.e. the non-helical carboxyl terminal region of the dimer. Binding is localized at the inferior border of the lamina densa as demonstrated by immunoelectron microscopy. Type VII is also found in the retina, where its function is unknown. It interacts with Laminin 5 and Fibronectin. Collagen VII is a stratified squamous epithelial basement membrane protein that forms anchoring fibrils which may contribute to epithelial basement membrane organization and adherence by interacting with extracellular matrix (ECM) proteins such as type IV collagen.
Purification:	Purified by Protein A/G

## Target Details

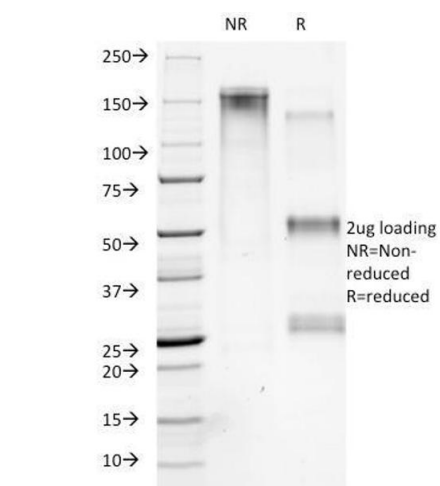
Target:	COL7A1
Alternative Name:	COL7A1 ( <a href="#">COL7A1 Products</a> )
Molecular Weight:	290kDa
Gene ID:	1294
UniProt:	<a href="#">Q02388</a>

## Application Details

Application Notes:	<p>Positive Control: HeLa, cells. Human lymphocytes. Human lymph node or tonsil.</p> <p>Known Application: ELISA (For coating, order antibody without BSA), Western Blot (0.5-1.0 µg/mL)Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(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)Optimal dilution for a specific application should be determined.</p>
Restrictions:	For Research Use only

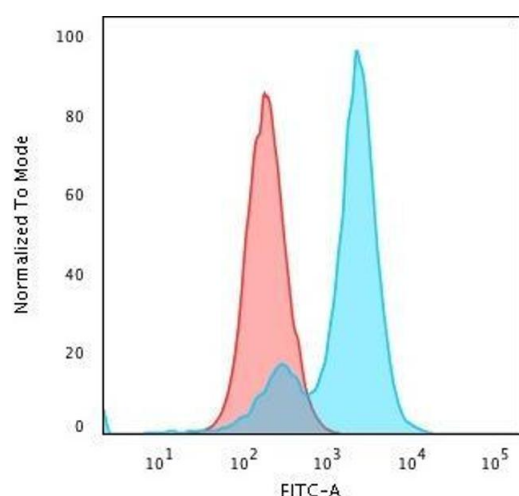
## Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



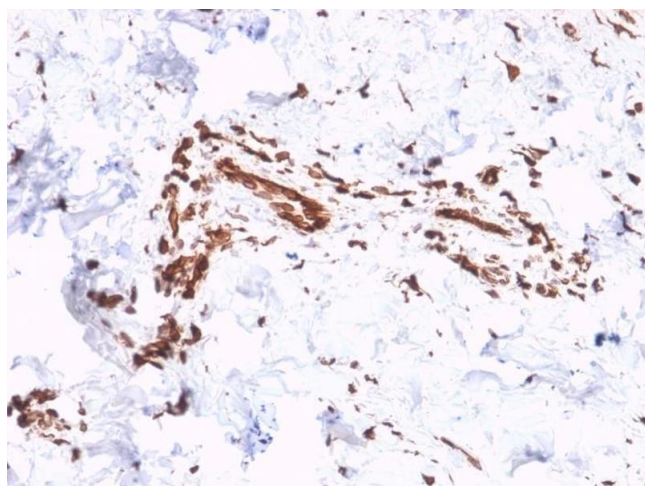
### SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified Collagen VII Mouse Monoclonal Antibody (LH7.2). Confirmation of Purity and Integrity of Antibody.



### Flow Cytometry

**Image 2.** Flow Cytometric Analysis of PFA-fixed HeLa cells using Collagen VII Mouse Monoclonal Antibody (LH7.2) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red)



### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Skin stained with Collagen VII Mouse Monoclonal Antibody (LH7.2).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6939168.