

Datasheet for ABIN7147160  
**anti-CD44 antibody (AA 21-220)**

## 8 Images

[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	CD44
Binding Specificity:	AA 21-220
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD44 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human CD44 antigen protein (21-220AA)
Clone:	6G2D2
Isotype:	IgG1
Cross-Reactivity:	Human
Purification:	Protein G purified

## Target Details

Target:	CD44
Alternative Name:	CD44 ( <a href="#">CD44 Products</a> )

## Target Details

Background:	<p>Background: Receptor for hyaluronic acid (HA). Mediates cell-cell and cell-matrix interactions through its affinity for HA, and possibly also through its affinity for other ligands such as osteopontin, collagens, and matrix metalloproteinases (MMPs). Adhesion with HA plays an important role in cell migration, tumor growth and progression. In cancer cells, may play an important role in invadopodia formation. Also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis. Altered expression or dysfunction causes numerous pathogenic phenotypes. Great protein heterogeneity due to numerous alternative splicing and post-translational modification events. Receptor for LGALS9, the interaction enhances binding of SMAD3 to the FOXP3 promoter, leading to up-regulation of FOXP3 expression and increased induced regulatory T (iTreg) cell stability and suppressive function (By similarity).</p> <p>Aliases: CD44 antigen, CDw44, Epican, Extracellular matrix receptor III, ECMR-III, GP90 lymphocyte homing/adhesion receptor, HUTCH-I, Heparan sulfate proteoglycan, Hermes antigen, Hyaluronate receptor, Phagocytic glycoprotein 1, PGP-1, Phagocytic glycoprotein I, PGP-I, CD44, CD44, LHR, MDU2, MDU3, MIC4</p>
-------------	---

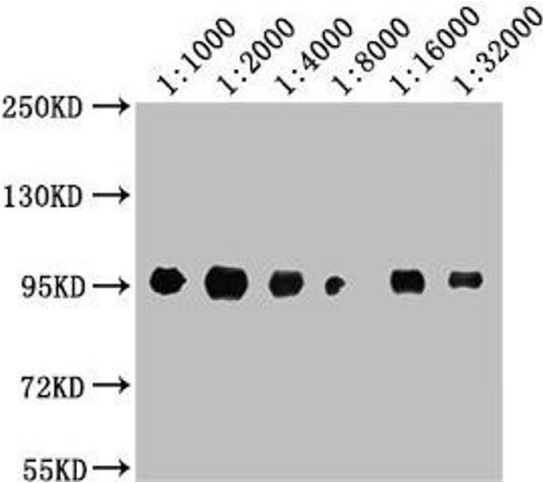
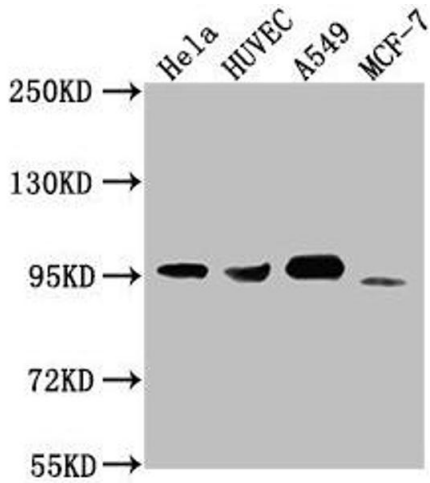
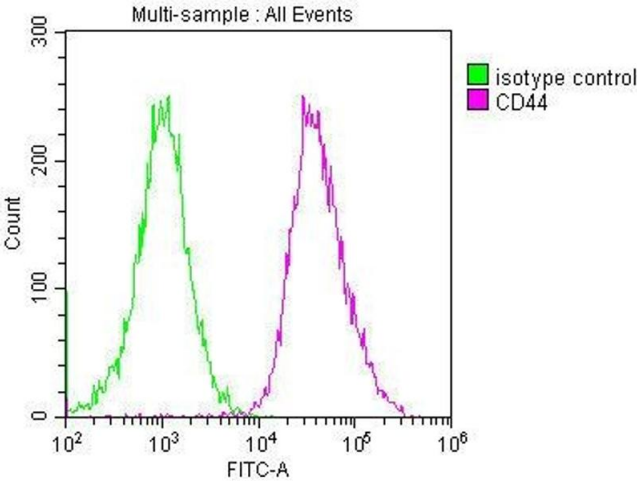
UniProt:	<a href="#">P16070</a>
Pathways:	<a href="#">Glycosaminoglycan Metabolic Process</a> , <a href="#">Autophagy</a> , <a href="#">Negative Regulation of intrinsic apoptotic Signaling</a>

## Application Details

Application Notes:	Recommended dilution: WB:1:1000-1:40000, IHC:1:50-1:200, IF:1:50-1:200,
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



### Flow Cytometry

**Image 1.** Overlay histogram showing HeLa cells stained with ABIN7147160 (red line) at 1:200. The cells were incubated in 1x PBS /10 % normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4 °C. The secondary antibody used was FITC goat anti-mouse IgG(H+L) at 1/200 dilution for 1 h at 4 °C. Isotype control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.

### Western Blotting

**Image 2.** Western Blot Positive WB detected in: HeLa whole cell lysate, HUVEC whole cell lysate, A549 whole cell lysate, MCF-7 whole cell lysate All lanes: CD44 antibody at 1:1500 Secondary Goat polyclonal to Mouse IgG at 1/10000 dilution Predicted band size: 82, 4, 78, 77, 81, 79, 75, 54,47, 40, 44, 33, 74, 76, 38, 16 kDa Observed band size: 95 kDa

### Western Blotting

**Image 3.** Western Blot Positive WB detected in: A549 whole cell lysate All lanes: CD44 antibody at 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000 Secondary Goat polyclonal to Mouse IgG at 1/10000 dilution Predicted band size: 82, 4, 78, 77, 81, 79, 75, 54,47, 40, 44, 33, 74, 76, 38, 16 kDa Observed band size: 95 kDa

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN7147160.