9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

# KD-Validated Anti-CD276 Rabbit Monoclonal Antibody

*Rabbit monoclonal antibody*

ABG1498

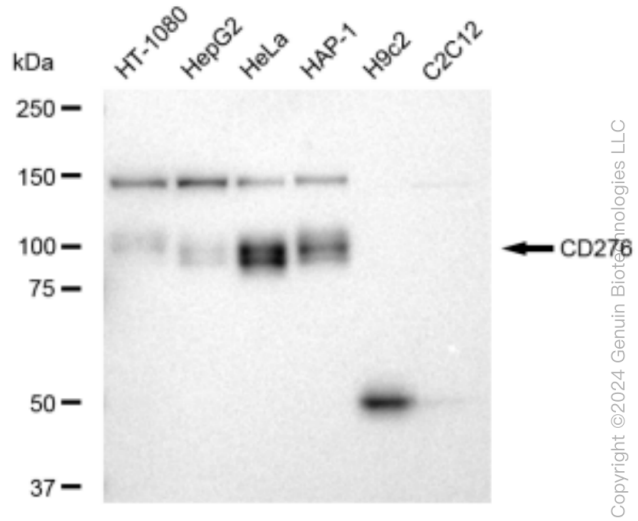
## Product Overview

| | |
|---|---|
| **Name** | KD-Validated Anti-CD276 Rabbit Monoclonal Antibody |
| **Accession(Primary)** | Q5ZPR3 |
| **Host Species** | Rabbit |
| **Clonality** | Monoclonal |
| **Isotype** | Rabbit IgG |
| **Immunogen** | A synthesized peptide derived from human CD276 |
| **Species Reactivity** | Human |
| **Calculated MW** | Predicted, 57 kDa , observed, 100 kDa |
| **Storage Buffer** | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide. |
| **Recommended Dilution** | Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000 |

## Target information (Q5ZPR3)

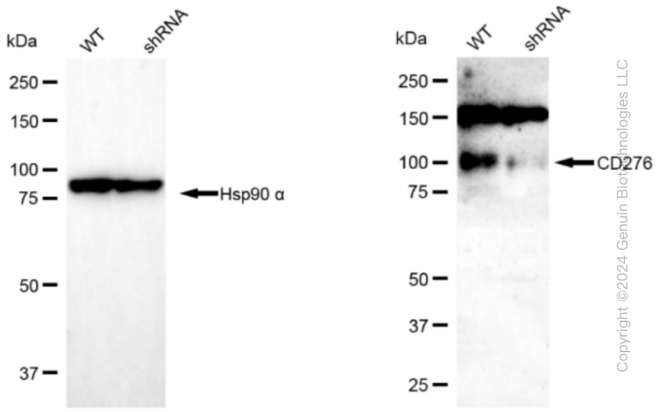
| | |
|---|---|
| **Gene Name** | CD276 |
| **About Gene Symbol** | CD276 (CD276 Molecule) is a cell surface marker involved in adaptive immunity. It is an important research target in immunology, flow cytometry, and cancer immunotherapy and is widely studied to elucidate cellular mechanisms and identify therapeutic targets. |

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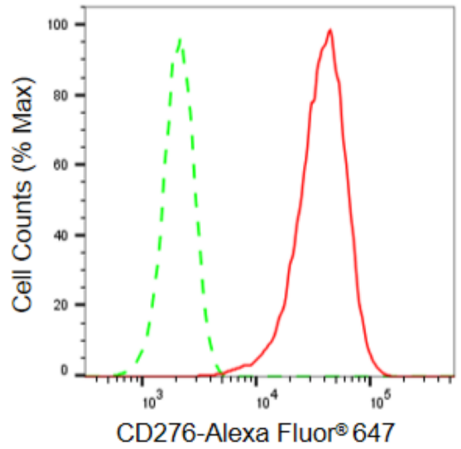

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Western blotting analysis using anti-CD276 antibody (Cat#ABG1498). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CD276 antibody (Cat#ABG1498, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.




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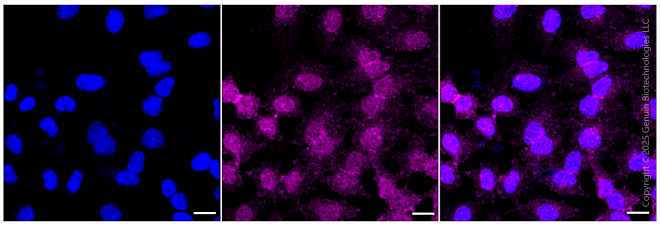
Western blotting analysis using anti-CD276 antibody (Cat#ABG1498). CD276 expression in wild type (WT) and CD276 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-CD276 antibody (Cat#ABG1498, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.




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Flow cytometric analysis of CD276 expression in HeLa cells using CD276 antibody (Cat#ABG1498, 1:2,000). Green, isotype control; red, CD276.

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Immunocytochemical staining of Hela cells with anti-CD276 antibody (Cat #ABG1498, 1:1,000). Nuclei were stained blue with DAPI; CD276 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar, 20 µm.