

For Research Use Only

# B7-H3/CD276 Recombinant antibody

Catalog Number:83152-5-RR



## Basic Information

<b>Catalog Number:</b> 83152-5-RR	<b>GenBank Accession Number:</b> NM_001024736	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 80381	<b>CloneNo.:</b> 230305A10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q5ZPR3	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> CD276 molecule	
	<b>Calculated MW:</b> 57 kDa	
	<b>Observed MW:</b> 95-100 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : U2OS cells, HEK-293 cells, HeLa cells, LNCaP cells, human placenta tissue
<b>Species Specificity:</b> Human	

## Background Information

B7-H3 (CD276) is a type I transmembrane protein expressed on many tissues and cell types. B7-H3 is a 100-kDa glycoprotein that belongs to the B7 immunoregulatory family and participates in the regulation of T-cell-mediated immune response probably by functioning as both a T cell costimulator and coinhibitor (PMID: 25567370; 20696859). Overexpressed on a wide range of human solid cancers, B7-H3 has been implicated in cancer progression and metastasis and becomes an attractive target for cancer immunotherapy (PMID: 27208063).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

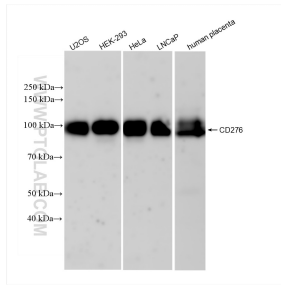
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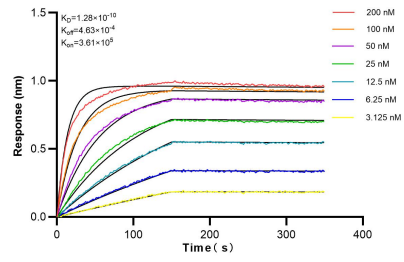
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83152-5-RR (B7-H3/CD276 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83152-5-RR against Human CD276 were performed. The affinity constant is 0.607 nM.