

Product Datasheet

B7H3 Antibody [2A7] (orb1239243)

Catalog Number	orb1239243
Description	B7H3 Antibody [2A7]
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	ELISA, FC, ICC, IF, IHC-P, WB
Immunogen	B7-H3 antibody was raised against the extracellular domain of human B7-H3
Target	CD276
Preservatives	B7-H3 Antibody is supplied in PBS containing 0.02% sodium azide and 50% glycerol.
Form/Appearance	Liquid
Concentration	1 mg/mL
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Application notes	B7-H3 antibody can be used for detection of B7-H3 by Western blot at 0.25 µg/mL. Antibody can also be used for immunohistochemistry starting at 2 µg/mL and Immunocytochemistry starting at 1 µg/mL. For immunofluorescence start at 10 µg/mL. Flow cytometry at 1 µg/ml. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples; Immunocytochemistry in human samples; Immunofluorescence in human samples and Flow Cytometry in human samples. All other applications and species not yet tested.
Isotype	IgG1,k
Clonality	Monoclonal

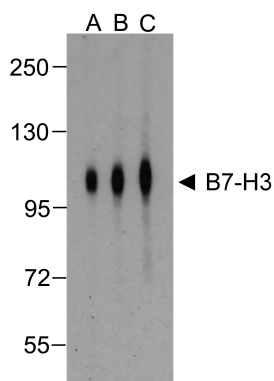
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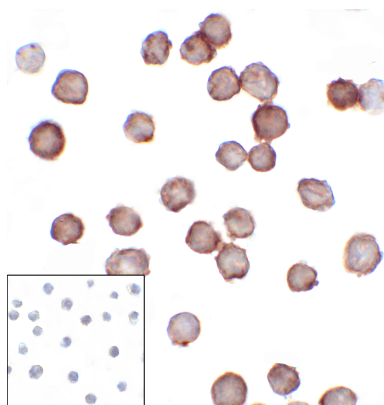
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Clone Number	2A7
Antibody Type	Primary Antibody
MW	Predicted: 57 kDa Observed: 100 kDa
Uniprot ID	Q5ZPR3
NCBI	NP_001019907
Expiration Date	12 months from date of receipt.



Western blot analysis of B7-H3 in HEK293 cells using B7-H3 antibody at (A) 0.25 (B) 0.5 and (C) 1 µg/ml.



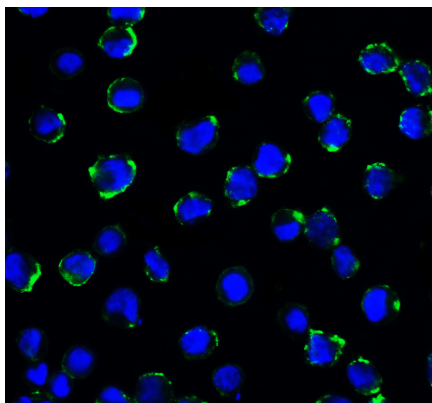
Immunocytochemistry of B7-H3 in HEK293 cells using B7-H3 antibody and control mouse IgG antibody (left corner box) at 1 µg/ml.

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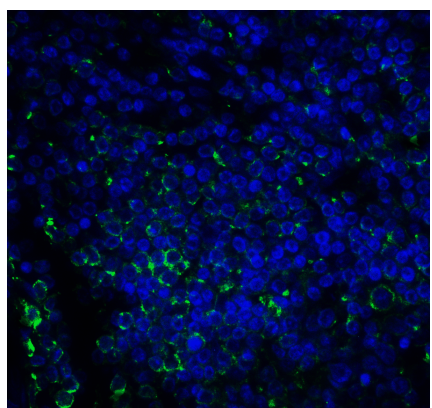
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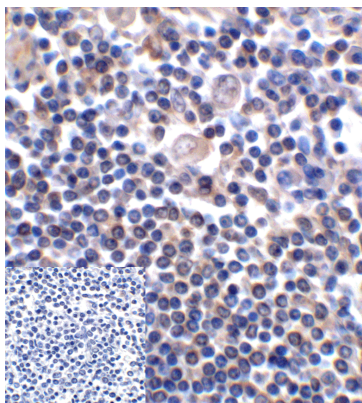
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Immunofluorescence of B7-H3 in HEK293 cells using B7-H3 Antibody at 5 μ g/ml. Green: B7-H3 Antibody [2A7] (orb1239243) Blue: DAPI staining



Immunofluorescence of B7-H3 in human colon carcinoma tissue cells using B7-H3 Antibody at 10 μ g/ml. Green: B7-H3 Antibody [2A7] (orb1239243) Blue: DAPI staining



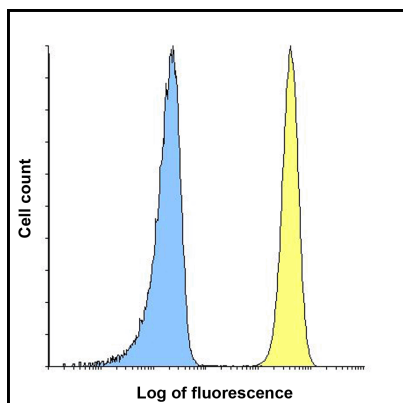
Immunohistochemistry of B7-H3 in human colon carcinoma tissue using B7-H3 Antibody and control mouse IgG (corner box) at 2 μ g/ml.

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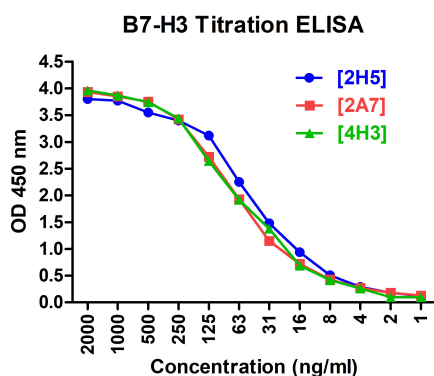
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Flow cytometry analysis of B7-H3 in HEK293 cells using B7-H3 antibody at 1 µg/ml. Blue: untransfected HEK293 cells. Yellow: B7-H3 over expressing HEK293 cells.



Titration curve analysis of B7-H3 mAbs to detect recombinant B7-H3 in ELISA with orb1240155, orb1239243, orb1239244, orb1239247, and orb1239231 antibodies at decreasing concentrations.

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