

Product datasheet for **TA355140**

B7H3 (CD276) Mouse Monoclonal Antibody [Clone ID: 4H3]

Product data:

| | |
|--------------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | 4H3 |
| Applications: | ELISA, FC, IF, IHC, WB |
| Recommended Dilution: | WB start at 0.25 ug/mL. IHC start at 2 ug/mL. ICC start at 1 ug/mL. IF start at 10 ug/mL. FC start at 1 ug/mL. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1, kappa |
| Clonality: | Monoclonal |
| Immunogen: | B7-H3 antibody was raised against the extracellular domain of human B7-H3 |
| Formulation: | B7-H3 Antibody is supplied in PBS containing 0.02% sodium azide. |
| Concentration: | 1 mg/ml |
| Purification: | B7-H3 Antibody is supplied as protein A purified IgG1. |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | Predicted: 57 kDa; Observed: 100 kDa |
| Gene Name: | CD276 molecule |
| Database Link: | NP_001019907 Entrez Gene 80381 Human Q5ZPR3 |

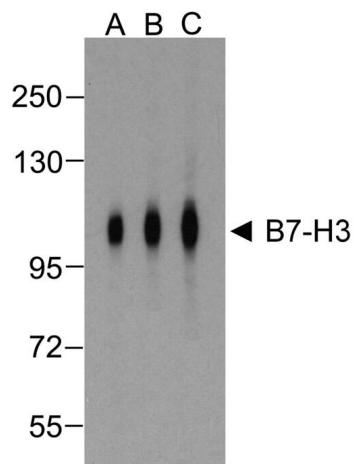
Background: CD276, also known as B7-H3, was initially identified as a member of the B7 family of proteins through its homology with previously identified B7 molecules. CD276 mRNA is widely expressed, but its protein expression is usually rather low. CD276 has been shown to play a role in both the costimulation as well as the coinhibition of T cell response. In a similar fashion, CD276 plays a critical role in the control of antitumor immune responses in some cases, while in others appears to mediate antitumor immunity. It thus joins other immune checkpoint proteins as a possible therapeutic target for at least a subset of cancers.



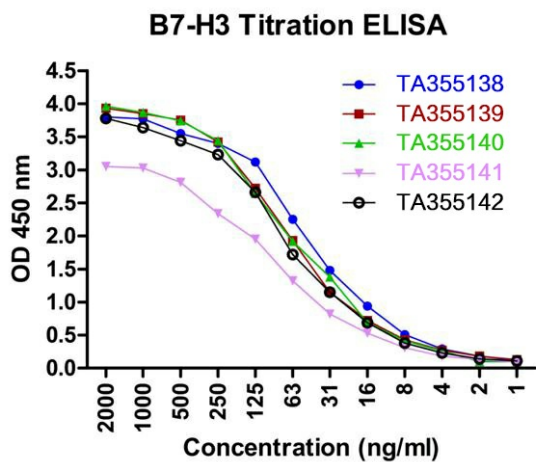
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Synonyms: 4Ig-B7-H3; B7-H3; B7H3

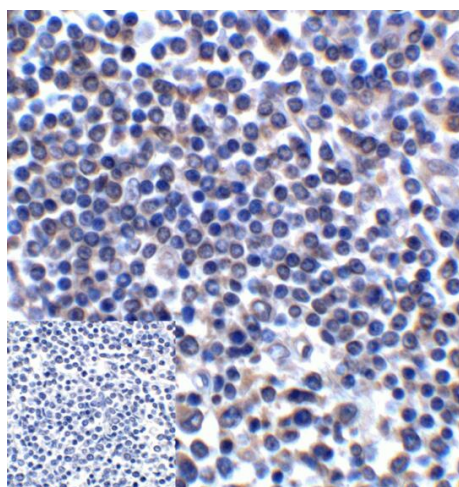
Product images:



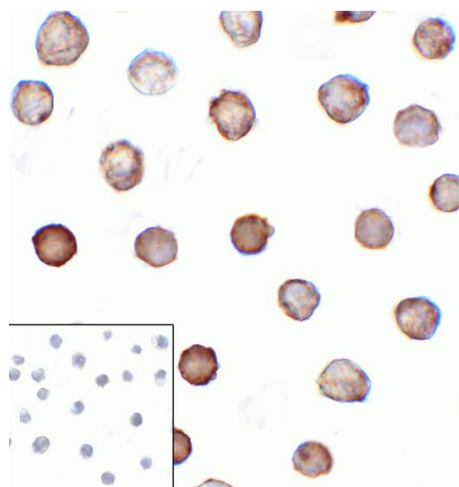
Western blot analysis of B7-H3 in HEK293 cells using B7-H3 antibody at (A) 0.25 (B) 0.5 and (C) 1 ug/ml.



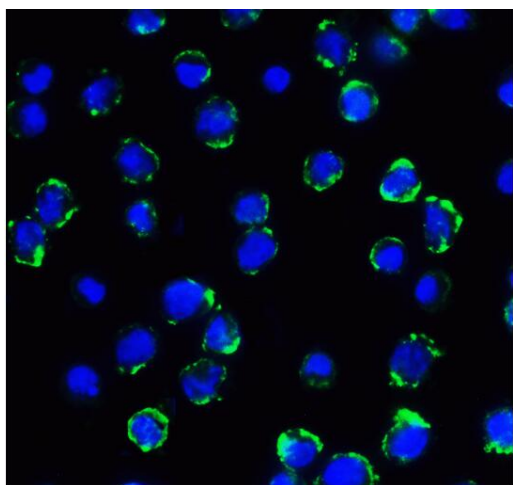
Titration curve analysis of B7-H3 mAbs to detect recombinant B7-H3 in ELISA with [TA355138], [TA355139], TA355140, [TA355141] and [TA355142] antibodies at decreasing concentrations.



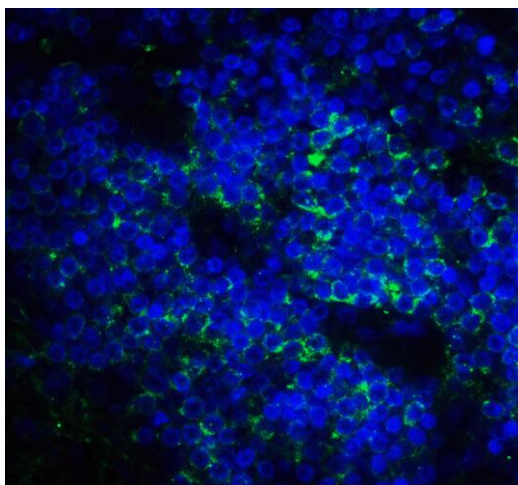
Immunohistochemistry of B7-H3 in human colon carcinoma tissue using B7-H3 Antibody and control mouse IgG (corner box) at 2 ug/ml.



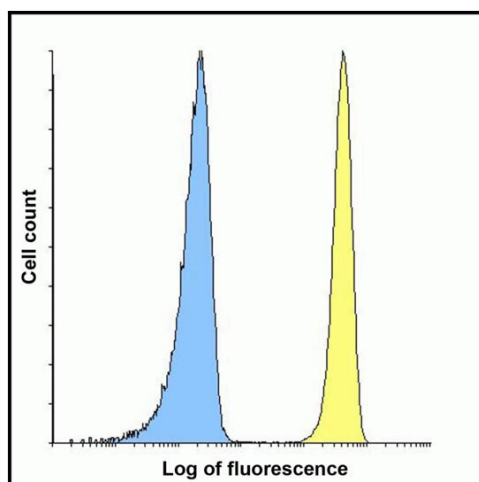
Immunocytochemistry of B7-H3 in HEK293 cells using B7-H3 antibody and control mouse IgG antibody (left corner box) at 1 ug/ml.



Immunofluorescence of B7-H3 in HEK293 cells using B7-H3 Antibody at 5 ug/ml.



Immunofluorescence of B7-H3 in human colon carcinoma tissue cells using B7-H3 Antibody at 10 ug/ml.



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