

## Anti-B7-H3 Antibody-PE (7G630)

### Product Details

Ig Type:	Mouse IgG2b
Reactivity:	Human
Conjugation:	PE
Clone:	7G630
Purification:	Protein A

### Applications

Verified Activity:	Flow cytometric analysis of anti-B7H3 (CD276) reactivity on PC-3 cells.
Application:	FCM
Recommended	2 µl/Test, 0.1 mg/ml

### Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	Recombinant Protein: Human B7-H3 / CD276 protein (TMPY-02031)
Antigen Species:	Human
Synonyms:	B7-H3;4lg-B7-H3;CD276 molecule;B7H3;B7RP-2
Biology Area:	Cancer Drug Targets

### Research Background

B7-H3 is a member of the B7 family of immune regulatory ligands that is thought to attenuate peripheral immune responses through co-inhibition. It plays an important role in adaptive immune responses, and was shown to either promote or inhibit T-cell responses in various experimental systems. B7-H3 may play an important role in muscle-immune interactions, providing further evidence of the active role of muscle cells in local immunoregulatory processes. B7-H3 is a novel protein structurally related to the B7 family of ligands by the presence of a single set of immunoglobulin-V-like and immunoglobulin-C-like (VC) domains. Previous studies have correlated its overexpression with poor prognosis and decreased tumor-infiltrating lymphocytes in various carcinomas including uterine endometrioid carcinomas, and mounting evidence supports an immuno-inhibitory role in ovarian cancer prognosis. Recently, B7-H3 expression has been reported in several human cancers indicating an additional function of B7-H3 as a regulator of antitumor immunity.

Cancer Immunotherapy  
 Co-inhibitory Immune Checkpoint Targets  
 Immune Checkpoint Detection: Antibodies  
 Immune Checkpoint Detection: ELISA  
 Antibodies  
 Immune Checkpoint Detection: FCM  
 Antibodies  
 Immune Checkpoint Detection: ICC  
 Antibodies  
 Immune Checkpoint Detection: IP  
 Antibodies  
 Immune Checkpoint Detection: WB  
 Antibodies  
 Immune Checkpoint Targets  
 Immunotherapy  
 Targeted Therapy

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