

## Anti-B7H4 Antibody [B7H4/1788] (A250377)

### Specifications:

Name:	Anti-B7H4 Antibody [B7H4/1788]
Description:	Mouse monoclonal [B7H4/1788] antibody to B7H4.
Specificity:	T cell activation and immune function are regulated by the innate immune system through positive and negative costimulatory proteins. One such protein, B7-H4 (B7-homolog 4), belongs to the B7 immunoglobulin superfamily of ligand-lymphocyte interacting proteins. Expressed primarily on the membrane of lymphoid cells, B7-H4 is an immuno-inhibitory protein that interacts with receptors on the surface of T lymphocytes, thus mediating cellular and humoral immune responses. Overexpression of the B7-H4 protein is associated with certain malignancies, including ovarian and breast cancer, as its interaction with T cells suppresses tumor-associated immunity. Current research suggests that, similar to Mucin 16 (CA-125), B7-H4 may be a useful biomarker for the early detection of ovarian cancer.
Applications:	ELISA, Flow Cytometry, IF, WB, IHC-P
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml, WB: 1-2 µg/ml, IHC-P: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant fragment of human B7-H4 protein. The exact sequence is proprietary.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	B7H4/1788
Isotype:	IgG2a
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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### Specifications continued:

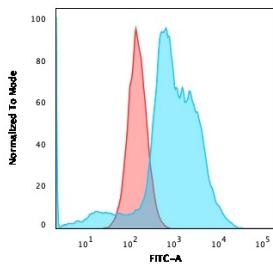
#### General Notes:

This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-B7H4 Antibody [B7H4/1788] - BSA and Azide free (A253557).

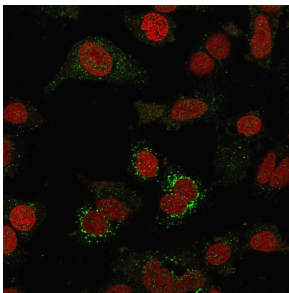
#### Disclaimer:

This product is for research use only. It is not intended for diagnostic or therapeutic use.

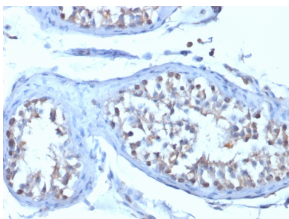
### Images:



Flow cytometric analysis of SKBR-3 cells using Anti-B7H4 Antibody [B7H4/1788] followed by Goat Anti-Mouse IgG (CF® 488) (Blue). Isotype Control (Red).



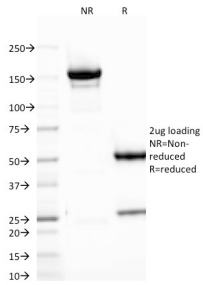
Immunofluorescent analysis of SKBR-3 cells stained with Anti-B7H4 Antibody [B7H4/1788] followed by Goat Anti-Mouse IgG (CF® 488) (Green). Nuclear counterstain is RedDot.



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human testicular carcinoma using Anti-B7H4 Antibody [B7H4/1788].

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Images continued:



SDS-PAGE analysis of Anti-B7H4 Antibody [B7H4/1788] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.