abcam

Product datasheet

Anti-CD276 antibody [6A1] ab105922

★★★★★ 2 Abreviews 1 References 5 Images

Overview

Product name	Anti-CD276 antibody [6A1]
Description	Mouse monoclonal [6A1] to CD276
Host species	Mouse
Tested applications	**Suitable for:** WB, IHC-P, ELISA, Flow Cyt
Species reactivity	**Reacts with:** Human
Immunogen	Purified recombinant fragment of Human CD276 expressed in E. Coli.
Positive control	WB: HEK293 cell lysate IHC-P: Human cervical cancer and ovarian cancer tissues FC: PC-3 cells
General notes	This product was changed from ascites to supernatant. Lot no's high than GR209552-21 are from Tissue Culture Supernatant

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term.
Storage buffer	Preservative: 0.05% Sodium azide Constituent: PBS
Purity	Protein G purified
Purification notes	Purified from tissue culture supernatant.
Clonality	Monoclonal
Clone number	6A1
Isotype	IgG1

Applications

Our Abpromise guarantee covers the use of **ab105922** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/200 - 1/1000. Predicted molecular weight: 57 kDa.
IHC-P	★★★★★	1/200 - 1/1000.
ELISA		1/10000.
Flow Cyt		1/200 - 1/400. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Function

May participate in the regulation of T-cell-mediated immune response. May play a protective role in tumor cells by inhibiting natural-killer mediated cell lysis as well as a role of marker for detection of neuroblastoma cells. May be involved in the development of acute and chronic transplant rejection and in the regulation of lymphocytic activity at mucosal surfaces. Could also play a key role in providing the placenta and fetus with a suitable immunological environment throughout pregnancy. Both isoform 1 and isoform 2 appear to be redundant in their ability to modulate CD4 T-cell responses. Isoform 2 is shown to enhance the induction of cytotoxic T-cells and selectively stimulates interferon gamma production in the presence of T-cell receptor signaling.

Tissue specificity

Ubiquitous but not detectable in peripheral blood lymphocytes or granulocytes. Weakly expressed in resting monocytes. Expressed in dendritic cells derived from monocytes. Expressed in epithelial cells of sinonasal tissue. Expressed in extravillous trophoblast cells and Hofbauer cells of the first trimester placenta and term placenta.

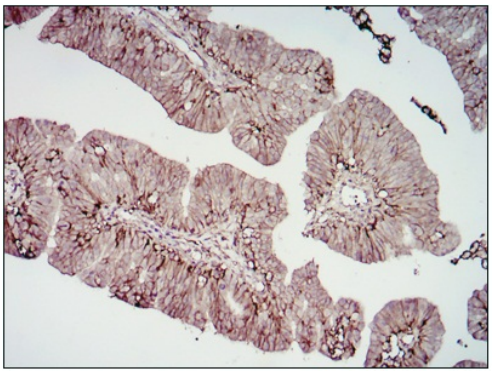
Sequence similarities

Belongs to the immunoglobulin superfamily. BTN/MOG family.
Contains 2 Ig-like C2-type (immunoglobulin-like) domains.
Contains 2 Ig-like V-type (immunoglobulin-like) domains.

Cellular localization

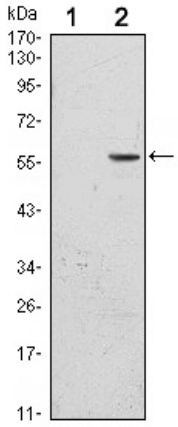
Membrane.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD276 antibody [6A1] (ab105922)

ab105922, at a 1/200 dilution, staining CD276 in paraffin-embedded Human ovarian cancer tissues.

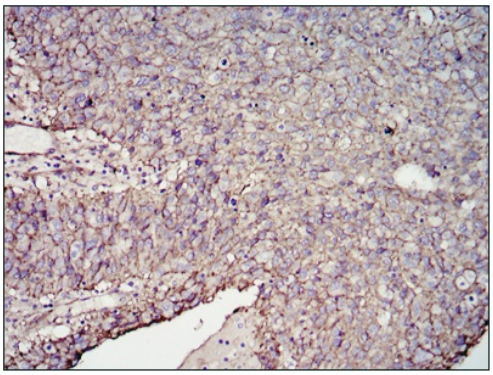


Western blot - Anti-CD276 antibody [6A1] (ab105922)

All lanes : Anti-CD276 antibody [6A1] (ab105922) at 1/200 dilution

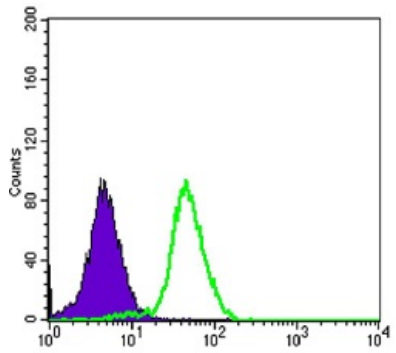
Lane 1 : HEK293 cell lysate
Lane 2 : Transfected HEK293 cell lysate

Predicted band size: 57 kDa



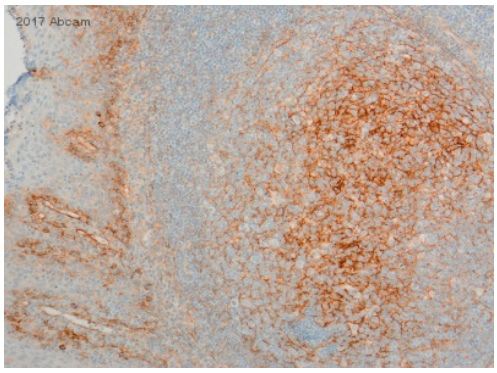
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD276 antibody [6A1] (ab105922)

ab105922, at a 1/200 dilution, staining CD276 in paraffin-embedded Human cervical cancer tissues.



Flow Cytometry - Anti-CD276 antibody [6A1] (ab105922)

Flow cytometric analysis of PC-3 cells using ab105922 (green) and negative control (purple).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD276 antibody [6A1] (ab105922)
This image is courtesy of an anonymous Abreview.

Formaldehyde-fixed, paraffin-embedded human tonsil tissue stained for CD276 using ab105922 at 1/800 dilution in immunohistochemical analysis.

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