10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-B7-H3 / CD276 Reference Antibody (omburtamab)

Recombinant Antibody
Catalog # APR10743

Specification

Anti-B7-H3 / CD276 Reference Antibody (omburtamab) - Product Information

Application	**FC, Kinetics, Animal Model**
Primary Accession	Q5ZPR3
Reactivity	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**144.98 KDa**

Anti-B7-H3 / CD276 Reference Antibody (omburtamab) - Additional Information

Target/Specificity
B7-H3 / CD276

Endotoxin
< 0.001EU/ μg,determined by LAL method.

Conjugation
Unconjugated

Expression system
CHO Cell

Format
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Anti-B7-H3 / CD276 Reference Antibody (omburtamab) - Protein Information

Name CD276

Synonyms B7H3

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.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Cellular Location
Membrane; Single-pass type I membrane protein

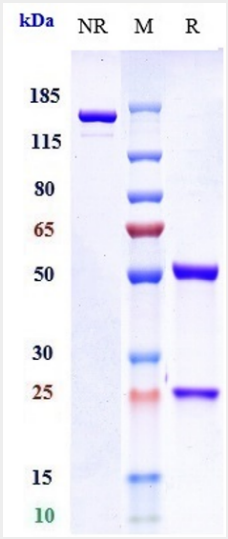
Tissue Location
Ubiquitous but not detectable in peripheral blood lymphocytes or granulocytes. Weakly expressed in resting monocytes Expressed in dendritic cells derived from monocytes. Expressed in epithelial cells of sinonasal tissue. Expressed in extravillous trophoblast cells and Hofbauer cells of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

Anti-B7-H3 / CD276 Reference Antibody (omburtamab) - Protocols

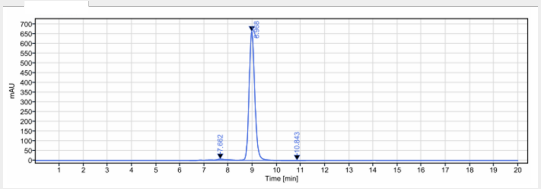
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-B7-H3 / CD276 Reference Antibody (omburtamab) - Images



Anti-B7-H3 / CD276 Reference Antibody (omburtamab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-B7-H3 / CD276 Reference Antibody (omburtamab)is more than 97.23% ,determined by SEC-HPLC.