

**Anti-B7-H5 / VISTA Reference Antibody (onvatilimab)
Recombinant Antibody
Catalog # APR10265**

Specification

Anti-B7-H5 / VISTA Reference Antibody (onvatilimab) - Product Information

Application	FC, E, FTA
Primary Accession	O9H7M9
Reactivity	Cynomolgus, Human, Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	144.52 KDa

Anti-B7-H5 / VISTA Reference Antibody (onvatilimab) - Additional Information

Target/Specificity
B7-H5 / VISTA

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-H5 / VISTA Reference Antibody (onvatilimab) - Protein Information

Name VSIR ([HGNC:30085](#))

Function
Immunoregulatory receptor which inhibits the T-cell response (PubMed:24691993). May promote differentiation of embryonic stem cells, by inhibiting BMP4 signaling (By similarity). May stimulate MMP14- mediated MMP2 activation (PubMed:20666777).

Cellular Location
Cell membrane; Single-pass type I membrane protein

Tissue Location
Expressed in spleen. Detected on a number of myeloid cells including CD11b monocytes, CD66b+ neutrophils, at low levels on CD4+ and CD8+ T-cells, and in a subset of NK cells. Not detected on

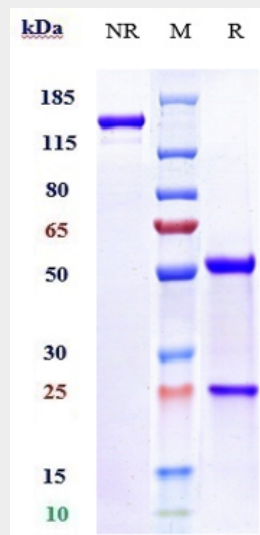
B cells (at protein level). Expressed at high levels in placenta, spleen, plasma blood leukocytes, and lung. Expressed at moderate levels in lymph node, bone marrow, fat, uterus, and trachea Has low expression levels in other tissues

Anti-B7-H5 / VISTA Reference Antibody (onvatilimab) - Protocols

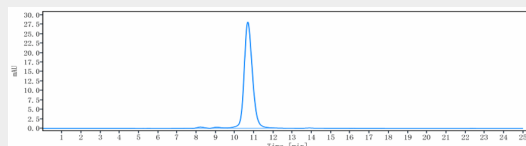
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

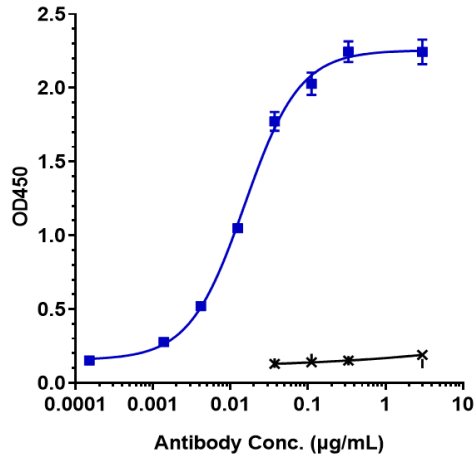
Anti-B7-H5 / VISTA Reference Antibody (onvatilimab) - Images



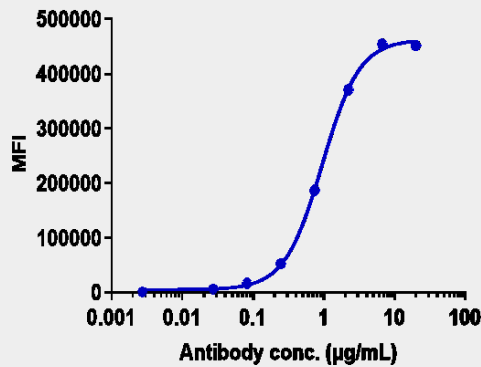
Anti-B7-H5 / VISTA Reference Antibody (onvatilimab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-B7-H5 / VISTA Reference Antibody (onvatilimab) is more than 98.11%, determined by SEC-HPLC.



Immobilized human B7-H5 / VISTA His at 2 µg/mL can bind Anti-B7-H5 / VISTA Reference Antibody (onvatilimab) $EC_{50}=0.01513$ µg/mL



Human B7H5 CHO-K cells were stained with Anti-B7-H5 / VISTA Reference Antibody (onvatilimab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, $EC_{328}=0.9471$ µg/mL