

**TIGIT (PN0530) Nb-FC recombinant antibody**

<b>Catalog No :</b>	YA0645
<b>Reactivity :</b>	Human
<b>Applications :</b>	ELISA
<b>Target :</b>	TIGIT
<b>Gene Name :</b>	TIGIT VSIG9 VSTM3
<b>Protein Name :</b>	T-cell immunoreceptor with Ig and ITIM domains (V-set and immunoglobulin domain-containing protein 9) (V-set and transmembrane domain-containing protein 3)
<b>Human Gene Id :</b>	201633
<b>Human Swiss Prot No :</b>	Q495A1
<b>Immunogen :</b>	Purified recombinant Human TIGIT
<b>Specificity :</b>	This recombinant monoclonal antibody can detects endogenous levels of TIGIT protein.
<b>Formulation :</b>	Phosphate-buffered solution
<b>Source :</b>	Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell
<b>Dilution :</b>	ELISA 1:5000-100000
<b>Purification :</b>	Recombinant Expression and Affinity purified
<b>Concentration :</b>	Please check the information on the tube
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
<b>Background :</b>	T cell immunoreceptor with Ig and ITIM domains (TIGIT), also known as VSTM3 or WUCAM, is a 26 kD, type I transmembrane protein and is a member of the

PVR (poliovirus receptor) family of immunoglobulin-like domain containing proteins. TIGIT is expressed on activated T cells, follicular T helper, memory, and regulatory T cells as well as on NK cells. TIGIT is a negative regulator of NK and T cell activation. Expression of TIGIT is associated with decreased functionality of CD8 T cells in chronic viral infection and tumors. TIGIT also promotes the differentiation of tolerogenic phenotype in dendritic cells with an increased secretion of IL-10 and a diminished production of IL-12.

---

**Function :**

Binds with high affinity to the poliovirus receptor (PVR) which causes increased secretion of IL10 and decreased secretion of IL12B and suppresses T-cell activation by promoting the generation of mature immunoregulatory dendritic cells.

---

**Subcellular Location :**

Cell membrane ; Single-pass type I membrane protein .

---

**Expression :**

Expressed at low levels on peripheral memory and regulatory CD4+ T-cells and NK cells and is up-regulated following activation of these cells (at protein level).

---

## Products Images