



# Mouse Anti-Human TEM7 monoclonal antibody, clone NN15 (CABT-ZB636)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	It reacts with Human TEM7
<b>Target</b>	PLXDC1
<b>Immunogen</b>	Recombinant Human TEM7/PLXDC1 Protein
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	NN15
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB636 - CABT-ZB982 This antibody will detect TEM7 in antibody pair set. [ABPR-ZB215]
<b>Preparation</b>	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human TEM7 / PLXDC1. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Lot specific

<b>Size</b>	50 µL, 100 µL, 200 µL, 1 mL
<b>Buffer</b>	PBS
<b>Preservative</b>	None
<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	Plexin domain-containing protein 1, also known as tumor endothelial marker 3, tumor endothelial marker 7 and PLXDC1 and TEM3, is a secreted, cytoplasm and single-pass type I membrane protein that belongs to the plexin family. PLXDC1/TEM3 is detected in endothelial cells from colorectal cancer, and in endothelial cells from primary cancers of the lung, liver, pancreas, breast and brain. It is expressed in fibrovascular membrane with increased expression in individuals with proliferative diabetic retinopathy. PLXDC1/TEM3 is not detectable in endothelial cells from normal tissue. PLXDC1/TEM3 plays a critical role in endothelial cell capillary morphogenesis. PLXDC1/TEM3 may play a significant role in the proliferation and maintenance of neovascular endothelial cells in the formation of fibrovascular membranes (FVMs). PLXDC1/TEM3 may be a molecular target for new diagnostic and therapeutic strategies for proliferative diabetic retinopathy (PDR). PLXDC1/TEM3 interacts with NID1. It may also interact with CTTN.
---------------------	---

<b>Keywords</b>	PLXDC1; plexin domain containing 1; TEM3; TEM7
-----------------	--

## GENE INFORMATION

<b>Synonyms</b>	PLXDC1; plexin domain containing 1; TEM3; TEM7; plexin domain-containing protein 1; 2410003I07Rik; tumor endothelial marker 3; tumor endothelial marker 7
-----------------	---

<b>Entrez Gene ID</b>	<a href="#">57125</a>
-----------------------	-----------------------

<b>UniProt ID</b>	<a href="#">Q8IUK5</a>
-------------------	------------------------