



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

Specificity	It reacts with Human TEM7
Target	PLXDC1
Immunogen	Recombinant Human TEM7/PLXDC1 Protein
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	NN15
Purification	Protein A purified
Conjugate	Unconjugated
Applications	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]
Preparation	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.
Format	Purified, Liquid
Concentration	Lot specific

Size	50 µL, 100 µL, 200 µL, 1 mL
Buffer	PBS
Preservative	None
Storage	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.
Ship	Wet ice

BACKGROUND

Introduction	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.
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Keywords	PLXDC1; plexin domain containing 1; TEM3; TEM7
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GENE INFORMATION

Synonyms	PLXDC1; plexin domain containing 1; TEM3; TEM7; plexin domain-containing protein 1; 2410003I07Rik; tumor endothelial marker 3; tumor endothelial marker 7
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Entrez Gene ID	57125
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UniProt ID	Q8IUK5
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