

# Canine TEM1/cd248 Protein

Cat. No. TEM-DM148



## Description

<b>Source</b>	Recombinant Canine TEM1/cd248 Protein is expressed from Expi293 with His tag at the C-terminal. It contains Gln18-Gly687.
<b>Accession</b>	XP_025302002.1
<b>Molecular Weight</b>	The protein has a predicted MW of 72.72 kDa. Due to glycosylation, the protein migrates to 120-140 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

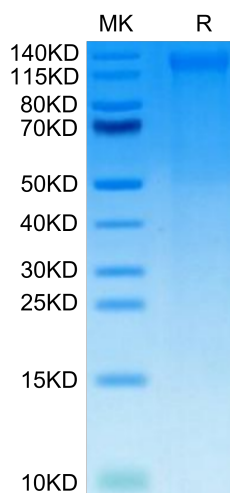
<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

## Background

Colorectal cancer (CRC) is one of the most common cancers worldwide usually diagnosed in the advanced stage. The serum concentration of tumor endothelial marker 1 (TEM1) was measured and correlated with clinicopathological features to evaluate whether TEM1 might serve as a biomarker for early CRC diagnosis, progression, and prognosis. TEM1 can act as a potential diagnostic, progression, and prognostic serum biomarker for patients with CRC; TEM1 might be a good supplement for commonly used markers CEA and Ca 19-9.

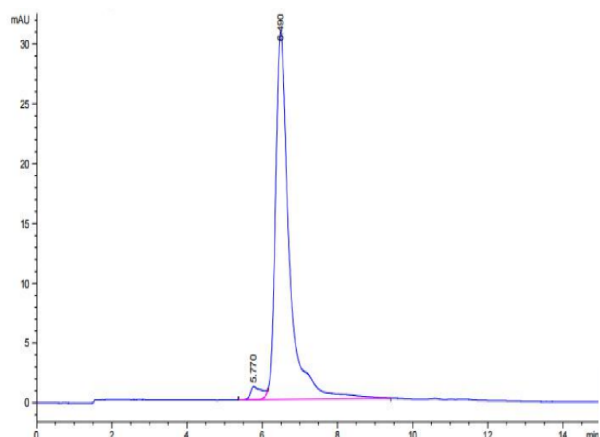
## Assay Data

### Tris-Bis PAGE



Canine TEM1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Canine TEM1 is greater than 95% as determined by SEC-HPLC.