

## Rabbit TEM1 Polyclonal Antibody | anti-CD248 antibody

TEM1 Antibody

|                              |                       |                                        |                                                                                      |
|------------------------------|-----------------------|----------------------------------------|--------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA39906</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Immunohistochemistry, Western Blot, ELISA</b> |
|------------------------------|-----------------------|----------------------------------------|--------------------------------------------------------------------------------------|

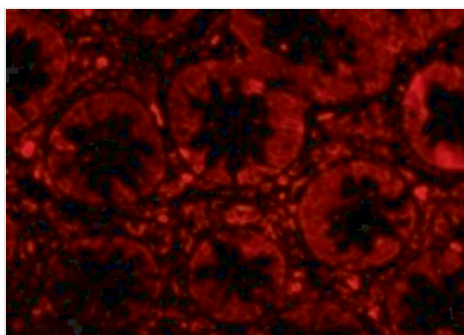
### PRODUCT SYNONYMS

TEM1; Polyclonal Antibody; TEM1 Antibody; CD164L1; Endosialin; Tumor endothelial marker 1; CD248 molecule; endosialin; anti-CD248 antibody

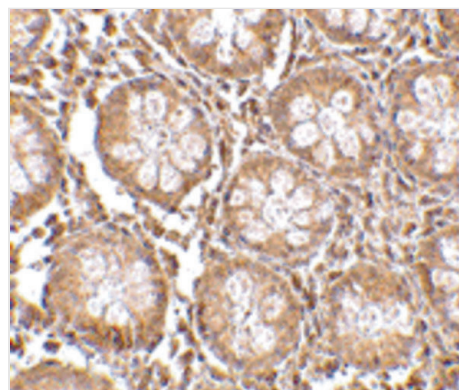
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                     |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                              |
| Reactivity                                      | Human, Mouse, Rat                                                                                                   |
| Clonality                                       | Polyclonal                                                                                                          |
| Isotype                                         | IgG                                                                                                                 |
| Specificity                                     | At least two isoforms of TEM1 are known to exist; this antibody recognizes only the larger isoform.                 |
| Purity/Purification                             | TEM1 Antibody is affinity chromatography purified via peptide column.                                               |
| Form/Format                                     | Liquid                                                                                                              |
| Concentration                                   | 1 mg/mL (varies by lot)                                                                                             |
| Sequence Length                                 | 757                                                                                                                 |
| Applicable Applications for anti-CD248 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA                                       |
| Conjugate                                       | Unconjugated                                                                                                        |
| Immunogen                                       | TEM1 antibody was raised against a 14 amino acid synthetic peptide near the amino terminus of the human TEM1.       |
| Buffer                                          | TEM1 Antibody is supplied in PBS containing 0.02% sodium azide.                                                     |
| Preparation and Storage                         | TEM1 antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures. |

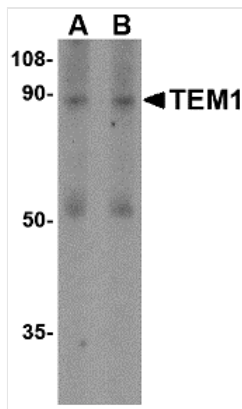
### IMAGES


**IF (Immunofluorescence)**

Immunofluorescence of TEM1 in Human Colon cells with TEM1 antibody at 20 µg/mL.


**IHC (Immunohistochemistry)**

Immunohistochemistry of TEM1 in human colon tissue with TEM1 antibody at 2.5 µg/mL.



#### WB (Western Blot)

Western blot analysis of TEM1 in human colon tissue lysate with TEM1 antibody at (A) 0.5 and (B) 1 g/mL.

### ADDITIONAL INFORMATION

#### Related Product Information for anti-CD248 antibody

TEM1 Antibody: Tumor endothelial marker (TEM) 1 was originally identified as a human embryonic fibroblast-specific antigen and was later determined to be endosialin, a single-pass transmembrane glycoprotein that has multiple extracellular domains, including three EGF-like domains, a sushi-like domain, and a C lectin-like domain. TEM proteins are significantly up-regulated during angiogenesis and neoangiogenesis that are crucial for the growth of solid tumors. While TEM1 is not required for angiogenesis during fetal development, postnatal growth or wound healing, it plays a role in tumor growth, invasion, and metastasis. Fibronectin and collagen types I and IV act as specific ligands of TEM1, leading to suggestions that these molecules may cause changes in the extracellular matrix, cell adhesion and migration during tumor invasion.

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 9966885                                                                                                   |
| NCBI GeneID                      | 57124                                                                                                     |
| NCBI Accession #                 | NP_065137                                                                                                 |
| NCBI GenBank Nucleotide #        | NM_020404.2                                                                                               |
| UniProt Accession #              | Q9HCU0; Q2M2V5; Q3SX55; Q96KB6                                                                            |
| Molecular Weight                 | 46,241 Da                                                                                                 |
| NCBI Official Full Name          | endosialin                                                                                                |
| NCBI Official Synonym Full Names | CD248 molecule, endosialin                                                                                |
| NCBI Official Symbol             | CD248                                                                                                     |
| NCBI Official Synonym Symbols    | TEM1; CD164L1                                                                                             |
| NCBI Protein Information         | endosialin; 2610111G01Rik; CD164 sialomucin-like 1; CD248 antigen, endosialin; tumor endothelial marker 1 |
| UniProt Protein Name             | Endosialin                                                                                                |
| UniProt Gene Name                | <b>CD248</b>                                                                                              |
| UniProt Synonym Gene Names       | CD164L1; TEM1                                                                                             |
| UniProt Entry Name               | CD248_HUMAN                                                                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.