

## Matriptase 2 Antibody FITC Conjugated

Catalog No: #C07374F

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Matriptase 2 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	ICC IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human Matriptase 2
Conjugates	FITC
Target Name	Matriptase 2
Other Names	Matriptase-2; Matriptase2; Membrane type serine proteinase 2; MTSP 2; MTSP2; PVAE354; TMPRSS 6; TMPRSS6; TMPS6_HUMAN; TMSP 6; TMSPP6; Transmembrane protease serine 6; Type II Membrane Serine Proteinase 6.
Accession No.	NCBI Gene ID164656
Uniprot	Q8IU80
GeneID	164656;
Excitation Emission	494nm 518nm
Cell Localization	Extracellular
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

ICC=1:50-200 IF=1:50-200

## Background

Serine protease which hydrolyzes a range of proteins including type I collagen, fibronectin and fibrinogen. Can also activate urokinase-type plasminogen activator with low efficiency. May play a specialized role in matrix remodeling processes in liver. Required to sense iron deficiency. Overexpression suppresses activation of the HAMP promoter. Involvement in disease: Defects in *TMPS6* are the cause of iron-refractory iron deficiency anemia (IRIDA); also known as hypochromic microcytic anemia with defect in iron metabolism or hereditary iron-handling disorder or pseudo-iron-deficiency anemia. Key features include congenital hypochromic microcytic anemia, very low mean corpuscular erythrocyte volume, low transferrin saturation, abnormal iron absorption characterized by no hematologic improvement following treatment with oral iron, and abnormal iron utilization characterized by a sluggish, incomplete response to parenteral iron.

Note: This product is for in vitro research use only