

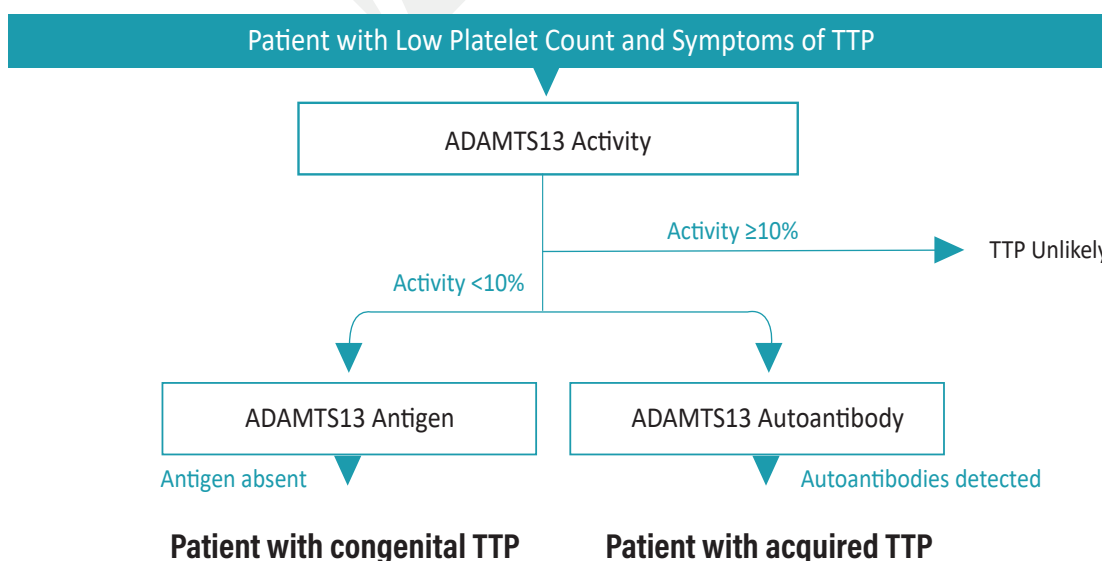
ADAMTS13 and TTP

Thrombotic Thrombocytopenic Purpura (TTP) is a severe, occlusive, microvascular “thrombotic microangiopathy” characterized by low platelet count, microvascular thrombi, red cell fragmentation, central nervous system disorders and renal complications.

Due to the life threatening nature of the disease, early diagnosis is critical

ADAMTS13, also known as von Willebrand Factor (vWF) cleaving protease, is a zinc metalloproteinase that cleaves ultra large (UL) vWF multimers within the A2 region of vWF (1). The UL-vWF multimers bind to receptors on platelets inducing platelet aggregation and formation of intravascular microthrombi.

A complete panel of ADAMTS13 assays to aid in the differential diagnosis of TTP



Studies have shown that low levels of ADAMTS13 activity are strongly associated with a diagnosis of TTP. Assessing the ADAMTS13 protein levels and the presence of ADAMTS13 autoantibodies presents a comprehensive overview of the patient, identifying the patient's condition as congenital versus acquired TTP.

*Intended for Research Use Only, not for use in diagnostic procedures.

ACTIFLUOR™ ADAMTS13 Activity Assay

CE Marked

A Fluorescence Resonance Energy Transfer (FRET)-based assay for the measurement of ADAMTS13 activity in human plasma. Citrated plasma is assayed for ADAMTS13 protease activity using recombinant VWF86-ALEXA FRET substrate.

Sample Volume: 10 µL

Assay Time: 20 minutes

IMUBIND® ADAMTS13 Antigen ELISA

CE Marked

Enzyme-linked immunosorbent assay to measure ADAMTS13 protein in human plasma.

Sample Volume: 5 µL

Assay Time: 2.5 hours

IMUBIND® ADAMTS13 Autoantibody ELISA

CE Marked

Enzyme-linked immunosorbent assay to measure ADAMTS13 IgG autoantibodies in human plasma. The acquired form of TTP is an autoimmune-like disorder caused by the development of autoantibodies to ADAMTS13 that inhibit its activity.

Sample Volume: 5 µL

Assay Time: 4 hours

ORDERING INFORMATION	Nº. OF TESTS	REF
ACTIFLUOR™ ADAMTS13 Activity Assay	48 wells	812*
IMUBIND® ADAMTS13 Antigen ELISA	96 wells	813*
IMUBIND® ADAMTS13 Autoantibody ELISA	96 wells	814*

In the USA: For Research Use Only
Reference:

1. Furlan et al., Blood vol. (87) 1996, pp. 4223-4234

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Many products are FDA 510(k) Cleared, CE Marked, and/or Health Canada Registered. Products can be customized to meet a variety of specific needs.

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