

## Anti-Tissue factor [ATR-5] Bulk size M Ab03462-10.29-BS

This is a Fab fragment with His tag.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.

**Isotype and Format:** Human Fab fragment, His-Tagged, Kappa

**Clone Number:** ATR-5

**Alternative Name(s) of Target:** CD142; TF; hTF; F3; Coagulation factor III; Thromboplastin; platelet tissue factor; factor III

**UniProt Accession Number of Target Protein:** P13726

**Published Application(s):** functional assay, neutralize, ELISA

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated by immunizing 5 weeks old male BALB/c mice subcutaneously into the abdomen with purified human tissue factor in equal quantity of Freund's complete adjuvant.

**Specificity:** This antibody binds human tissue factor (TF) a hemostatic protein which is involved in the extrinsic pathway of coagulation. TF is receptor for circulating serine protease factor VIIa, activating the catalytic VIIa protease domain. The complex formed functions to activate the zymogen factor X into activated factor Xa, which then catalyzes the formation of Prothrombin to Thrombin. The pathways results in a fibrin clot which acts to stop bleeding. TF plays a role in normal hemostasis by initiating the cell-surface assembly and propagation of the coagulation protease cascade.

**Application Notes:** The binding of this antibody to human tissue factor expressed on the surface of human bladder carcinoma cells J82 was done using whole cell ELISA. This neutralizing activity of this antibody against the FX-binding was measured using the human placenta-derived thromboplastin. This antibody was also capable of inhibiting plasma coagulation (US6677436).

**Antibody First Published in:** [PMID:](#)

**Note on publication:**

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:**

Purified by Immobilized Metal Affinity Chromatography

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** See vial label

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.