

Anti-Antithrombin III (human)**Mouse monoclonal antibody**Subclass: IgG₁/k

CAT. NO.

HYB 228-08

Clone: 2 E10

SPECIFICITY HYB 228-08 is specific for human AT III, native and denatured.**IMMUNOGEN** Antithrombin III isolated from human plasma**TESTED APPLICATIONS** ELISA, IHC**SPECIES REACTIVITY (POSITIVE)** Human**SPECIES REACTIVITY (NEGATIVE)** Not determined**EPITOPESPECIFICITY** Not determined

PRESENTATION**Content:** Available in 200 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.**Preparation:** Protein-A purified**Form:** Liquid**Solvent:** 0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide**Storage:** 4-8°C without exposure to light. No precautions necessary during handling.

APPLICATION**ELISA:** HYB 228-08 reacts strongly with AT III both native and denatured forms. A strong reaction is seen in ELISA with both native and denatured AT III directly coated onto the microtiter well and also when used as detection antibody in sandwich ELISA in combination with a polyclonal capture antibody (eg. DAKO A 296).**IHC:** HYB 228-08 can be used in IHC. Please consult www.proteinatlas.org**TARGET**

Antithrombin III (AT III) is a single chain glycoprotein of molecular mass 58 kDa with four glycosylation sites and three intra-molecular disulfide bonds. AT III is normally present in human plasma at a concentration of approx. 12.5 mg/dl. It is the major inhibitor of thrombin. Inactivation of thrombin by AT-III occurs by formation of a covalent bond resulting in an inactive 1:1 stoichiometric complex between the two components.

REFERENCES**CONDITIONS**

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