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## **Alpha1-Antitrypsin (3B7) Antibody**

**Subcategory:** Mouse Monoclonal Antibody

**Cat. No.:** 250380

**Unit:** 0.1 mg

### **Description:**

The serum glycoprotein a1-antitrypsin also called a1- AT, is a typical member of the serpin family (serine protease inhibitors), and, an inhibitor of trypsin. a1- AT is synthesized in the liver thus as a single polypeptide chain of approximately 51 kDa showing a marked degree of genetic polymorphism due to the presence of over 20 different alleles. Individuals homozygous for a1- AT deficiency are predisposed to pulmonary emphysema and hepatic cirrhosis. This antibody is specific for human a1- AT (native and denatured).

**Isotype:** Mouse IgG2a/k

**Applications:** E, WB

**Species Reactivity:** H

**Format:** Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-A/G affinity chromatography.

**Alternate Names:** Alpha-1 protease inhibitor; Alpha-1-antiproteinase

**Accession No.:** P01009

**Antigen:** a1- AT isolated from human plasma

**Application Notes:** Product Cat. No. 250380 reacts strongly in ELISA with native and denatured alpha1-AT coated directly onto the microtiter well. The antibody detects only native alpha1-AT in sandwich ELISA with a polyclonal capture antibody. Product Cat. No. 250380 reacts in western blot with native and denatured alpha1-AT in reduced as well as non-reduced forms. E: 1:15,000; WB: 1:1,000

**Storage:** Store at 4°C. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.