

## Anti-Aprotinin

CAT. NO. ABS 037-21

### OVERVIEW

Product Name	Anti-Aprotinin	Conjugation	Unconjugated
Description	Mouse monoclonal antibody	Host	Mouse
Isotype	IgG1/k	Clone	21
Tested Applications	ELISA, WB		

### SPECIFICITY

Specificity	ABS 037-21 binds bovine aprotinin immobilized on a solid phase or free in solution. The epitope of ABS 037-21 is different from the epitopes of ABS 037-18 and ABS 037-35.
Immunogen	Aprotinin from bovine lung
Target	Aprotinin, also called bovine pancreatic trypsin inhibitor, is a single chain globular Kunitz-type serine proteinase inhibitor found in bovine pancreas, parotid gland and lung. It forms stable, enzymatically inactive complexes with trypsin, chymotrypsin, plasmin and kallikrein. Aprotinin has been used therapeutically as an antifibrinolytic agent under the name Trasylol (Bayer) to reduce blood loss during cardiopulmonary bypass surgery but this use has been associated with an increased frequency of acute renal injury.
Species Reactivity	Bovine
POSITIVE	Species Reactivity Not determined NEGATIVE

### PROPERTIES

Form	Liquid	Unit Size	0,4 mL and 1 mL
Concentration	1 mg/mL ±15%, See CoA for lot details		
Purification	Protein A or Protein G purified		
Storage buffer	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide		
Storage condition	2-8°C without exposure to light		
Safety	Wear protective clothing		

### TESTED APPLICATIONS

ELISA	ABS 037-21 (as capture antibody coated at 2 µg/mL) forms an antibody pair with ABS 037-18 (as biotinylated detection antibody) for high-sensitivity sandwich ELISA of aprotinin at sample concentrations of 0.6-20 µg/mL. Aprotinin in urine diluted 1/1000 can be assayed against standards in buffer. For assay in plasma it is recommended to add aprotinin-free control plasma to the standards to match the plasma sample dilution. PBS-based buffers are unsuitable for this assay and 0.2 M glycine sodium buffer, pH 8.8, is recommended for washing and dilution buffers.
WB	ABS 037-21 can be used in Western blotting.

### SCIENTIFIC REFERENCES

N/A

#### CONDITIONS

Unless otherwise marked, all products are for research use only. Not for use in diagnostic procedures. Not for use in human therapeutic applications. For in vitro use or further manufacture only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The foregoing is in lieu of all warranties, expressed or implied, including implied warranties of merchantability and fitness for a particular purpose. In no event shall BioPorto Diagnostics A/S be responsible for loss of profits or indirect consequential losses resulting from use of its products.