

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	Gene ID	404172
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 POSITIVE	Bovine	Species Reactivity NEGATIVE	Not determined

PROPERTIES

Form	Liquid	Unit Size	0,4 mL and 1 mL
Concentration	1 mg/mL \pm 15%, See CoA for lot details		
Purification	Protein A or Protein G purified	Purification Notes	BSA free
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 μ g/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 μ g/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

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