



**Anti Gelsolin (human)
Mouse monoclonal antibody**

Subclass: IgG1/k

PRODUCT NO.	ABS 017-20
PRESENTATION	Preparation: Protein-A/G purified Content: 1 mL, 1 mg/mL Solvent: 0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide Storage: In the dark at 4-8°C
ANTIGEN	Gelsolin participates in the extracellular actin scavenger system, binding actin and disaggregating filamentous actin released from dying cells. Actin monomers are then transferred to Gc-globulin. The plasma concentration of gelsolin is reduced in conditions of major actin release, such as acute liver failure, major trauma and rhabdomyolysis, where multi-organ failure is a risk. It has been suggested that gelsolin, like Gc-globulin, can be a prognostic factor in these conditions.
IMMUNOGEN	Gelsolin purified from human plasma
SPECIFICITY	ABS 017-20 binds human gelsolin
EPITOPE SPECIFICITY	Not determined
REACTIVITY	The ELISA dilution guideline applies to gelsolin presented on a coat of polyclonal capture antibody. ABS 017-20 does not work as capture antibody in sandwich ELISA.
CULTURE MEDIUM	RPMI 1640 with 10% fetal calf serum
FUSION PARTNER	SP2mIL6.
IMMUNIZATION	Female BALB/c mice immunized i.p. with immunogen adsorbed onto Al(OH) ₃ and emulsified in Freund's incomplete adjuvant.

APPLICATION

Method	Usability	Dilution guideline	References
ELISA	Yes	1:4000	
Immunoblotting	Not determined		
Immunohistochemistry	Not determined		

The dilution guideline for ELISA is based on sandwich ELISA in combination with a polyclonal antibody against the antigen. Users should determine the optimal dilutions for their own purpose.

REFERENCES

1. Lee PS, Drager LR, Stossel TP, Moore FD, Rogers SO (2006) Relationship of plasma gelsolin levels to outcomes in critically ill surgical patients. Ann Surg 243:399-403.

CONDITIONS

All products are supplied on the understanding that they are for in vitro use only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The animals from which this product was derived have not been exposed to or inoculated with any livestock or poultry disease agents exotic to the United States or Western Europe, and did not originate from facilities where work with exotic disease agents affecting livestock or avian species is carried out.