



**Anti-Adrenomedullin (human)
Mouse monoclonal antibody**

Subclass: IgG1/k

PRODUCT NO. **ABS 027-01**

PRESENTATION Preparation: Protein-A/G purified
Content: Available in 200 µL and 1 mL, 1 mg/mL
Solvent: 0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15mM sodium azide
Storage: In the dark at 4-8°C

ANTIGEN Human adrenomedullin is a 52 amino-acid peptide (mw 6029) with the physiological effect of lowering blood pressure through vasodilatation, an effect it shares with calcitonin gene-related peptide (CGRP) and vasoactive intestinal peptide (VIP). In addition adrenomedullin has other cardiovascular effects including growth and development of both cardiovascular tissues and bone, and has effects in the central nervous system connected with the regulation of fluid balance.

IMMUNOGEN Synthetic human adrenomedullin 1-52

SPECIFICITY ABS 027-01 binds human adrenomedullin and shows no cross-reaction with CGRP

EPITOPE SPECIFICITY The epitope of ABS 027-01 lies within residues 22-52.

REACTIVITY The ELISA dilution guideline applies to adrenomedullin coated directly at 1.0 µg/mL. The binding of ABS 027-01 to this coat is not inhibited by full length adrenomedullin in solution up to a concentration of 1 µmol/L, but is inhibited by adrenomedullin (22-52) in solution.

CULTURE MEDIUM RPMI 1640 with 10% fetal calf serum

FUSION PARTNER SP2mIL6.

IMMUNIZATION Female NMRIxBALB/c mice immunized i.p. with immunogen adsorbed onto Al(OH)₃ and emulsified in Freund's incomplete adjuvans

Method	Usability	Dilution guideline	References
ELISA	Yes	1:40,000	
Immunoblotting	Not determined		
Immunohistochemistry	Not determined		

The dilution guideline for ELISA is based on use as detection antibody for antigen coated at 1 µg/ml. Users should determine the optimal dilutions for their own purposes.

REFERENCES

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.