

**Anti-neutrophil gelatinase-associated lipocalin (pig, NGAL)
Mouse monoclonal antibody**

Subclass: IgG1/k

PRODUCT NO.

ABS 048-28

Clone:28

PRESENTATION

Preparation: Protein-A/G purified

Content: Available in 200 µL and 1 mL volumes, 1 mg/mL

Solvent: 0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide

Storage: In the dark at 4-8°C

ANTIGEN

Pig neutrophil gelatinase-associated lipocalin (NGAL; also called lipocalin 2 or siderocalin) may, by analogy with its homologues in other mammalian species, be released from activated neutrophils in inflammation or infection, from certain epithelial cancers, and more dramatically, from renal tubular cells in response to ischemic or nephrotoxic injury.

IMMUNOGEN

Recombinant pig NGAL adsorbed onto aluminum hydroxide gel

SPECIFICITY

ABS 048-28 binds pig NGAL

EPITOPE SPECIFICITY

Not determined

REACTIVITY

ABS 048-28 binds free pig NGAL in solution.

ABS 048-28 (as biotinylated detection antibody) forms a sandwich ELISA pair with ABS 048-17 (as capture antibody) for measuring porcine NGAL.

CULTURE MEDIUM

RPMI 1640 with 10% fetal calf serum

FUSION PARTNER

SP2mIL6

IMMUNIZATION

Female NMR1xBALB/c mice immunized by intraperitoneal injection

APPLICATION

Method	Usability	Dilution guideline	References
ELISA	Yes	1/20,000	
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.