

## PRODUCT SPECIFICATION

### Anti-Neutrophil gelatinase-associated lipocalin (dog, cat, guinea pig)

#### Mouse monoclonal antibody, biotinylated

Subclass: IgG2b/k

PRODUCT NO.

**ABS 047-14 B**

PRESENTATION

Preparation: Biotinylated  
 Content: 50 µL, 1 mg/mL  
 Solvent: 0.01 M phosphate buffer, pH 7.4, with 0.14 M NaCl and 15 mM sodium azide  
 Storage: In the dark at 4-8°C

ANTIGEN

Dog 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 dog NGAL adsorbed onto aluminum hydroxide gel

SPECIFICITY

ABS 047-17 binds dog, cat and guinea pig NGAL

EPI TOPE SPECIFICITY

Not determined

REACTIVITY

ABS 047-14 binds free dog, cat and guinea pig NGAL.

ABS 047-14 (as biotinylated detection antibody) forms a sandwich ELISA pair with ABS 047-17 (as capture antibody) for measuring dog NGAL, giving a detection limit of 5 pg/mL in an unoptimized buffer assay. This assay also detects NGAL in cat and guinea pig serum.

CULTURE MEDIUM

RPMI 1640 with 10% fetal calf serum

FUSION PARTNER

SP2mIL6

IMMUNIZATION

NMRI x BALB/c mice immunized by intraperitoneal injection

APPLICATION

Method	Usability	Dilution guideline	References
ELISA	Yes	1/10,000	
Immunoblotting	Not determined		
Immunohistochemistry	Not determined		

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.

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21/12/2009

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