

**Anti-Neutrophil gelatinase-associated lipocalin (dog, NGAL)
Mouse monoclonal antibody**

Subclass: IgG2a/k

PRODUCT NO.

ABS 047-17

Clone: 17

PRESENTATION

Preparation: Protein-A/G purified

Content: Available in 200 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.

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

Storage: 4-8°C without exposure to light. No precautions necessary during handling.

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 NGAL

EPI TOPE SPECIFICITY

Not determined

REACTIVITY

ABS 047-17 binds free dog NGAL.

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

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	References
ELISA	Yes	
Immunoblotting	Yes	
Immunohistochemistry	Not determined	

REFERENCES

CONDITIONS

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