

**Anti-NGAL (dog)****Mouse monoclonal antibody**

Subclass: IgG2a/k

CAT. NO.

**ABS 047-17**

Clone: 17

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**SPECIFICITY** ABS 047-17 binds dog NGAL (neutrophil gelatinase-associated lipocalin )**IMMUNOGEN** Recombinant dog NGAL**TESTED APPLICATIONS** ELISA, WB, IHC-P**SPECIES REACTIVITY (POSITIVE)** Dog**SPECIES REACTIVITY (NEGATIVE)** Human, mouse, rat**EPITOPE SPECIFICITY** Not determined

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**PRESENTATION****Content:** Available in 200 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.**Preparation:** Protein-A purified**Form:** Liquid**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.

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**APPLICATION****ELISA:** 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.

**WB:** ABS 047-17 can be used in Western blotting.**IHC:** ABS 047-17 works in IHC on formalin-fixed, paraffin-embedded sections.**TARGET**

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.

**REFERENCES****CONDITIONS**

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