

Anti-NGAL (dog)

Mouse monoclonal antibody

Subclass: IgG2b/k

Clone: 14

CAT. NO.

ABS 047-14

SPECIFICITY	ABS 047-14 binds dog NGAL (neutrophil gelatinase-associated lipocalin)
IMMUNOGEN	Recombinant dog NGAL
TESTED APPLICATIONS	ELISA, WB, IHC
SPECIES REACTIVITY (POSITIVE)	Dog
SPECIES REACTIVITY (NEGATIVE)	Human, mouse, rat
EPITOPE SPECIFICITY	Not determined

PRESENTATION

Content:	Available in 400 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.

APPLICATION

ELISA: ABS 047-14 binds free dog 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.
WB: ABS 047-14 can be used in Western blotting.
IHC: ABS 047-14 was used in IHC in formaline fixed paraffin embedded tissue with a dilution of 1:50.

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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