

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

Subclass: IgG1/k

CAT. NO.

ABS 038-14

Clone: 14

SPECIFICITY	ABS 038-14 binds human NGAL (neutrophil gelatinase-associated lipocalin)
IMMUNOGEN	Recombinant human NGAL
TESTED APPLICATIONS	ELISA, WB
SPECIES REACTIVITY (POSITIVE)	Human, pig, dog
SPECIES REACTIVITY (NEGATIVE)	Mouse, rat
EPITOPE SPECIFICITY	Differs from those of HYB 211-01, -02, ABS 038-04, -15, -26 and the ABS 062 series of antibodies.

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, with 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 038-14 binds human NGAL in solution and coated onto a solid phase. ABS 038-14 (as capture antibody) forms sandwich pairs with HYB 211-01, HYB 211-02, ABS 038-04, ABS 038-15 and ABS 038-26 (as biotinylated detection antibodies) for measuring human NGAL. With ABS 038-15B detection antibody, the assay reacts equally with NGAL monomer and homodimer on a mass basis. With ABS 038-14B detection antibody, the assay is specific for NGAL homodimer and can be used at sample dilutions giving low levels of total NGAL.

WB: ABS 038-14 can be used in Western blotting.

TARGET

Neutrophil gelatinase-associated lipocalin (NGAL; also called lipocalin 2, siderocalin and neutrophil lipocalin) is a member of the lipocalin family of proteins which bind and transport small lipophilic molecules. NGAL is released by activated neutrophils and occurs as 25-kDa glycosylated single protein chain monomers, which form dimers and small amounts of higher oligomers, as well as complexes with matrix metalloproteinase 9 (MMP-9; gelatinase B). Low level expression of NGAL in a variety of epithelia may be increased in inflammation or cancers. Expression of NGAL in the kidney is dramatically increased by acute kidney injury.

REFERENCES**CONDITIONS**

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