

**Anti-NGAL (human)**  
**Mouse monoclonal antibody, biotinylated**  
**ABS 038-14B**

Subclass: IgG1/k

Clone: 14

CAT. NO.

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SPECIFICITY	ABS 038-14 binds human NGAL (neutrophil gelatinase-associated lipocalin)
IMMUNOGEN	Recombinant human NGAL
TESTED APPLICATIONS	ELISA
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.

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PRESENTATION

Content:	150 µL, 1 mg/mL +/- 15%. See Certificate of Analysis for details.
Preparation:	Biotinylated
Form:	Liquid
Solvent:	0.01 M phosphate buffer, pH 7.4, with 0.14 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 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.

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

Unless otherwise marked, all products are for research use only. Not for use in diagnostic procedures. Not for use in human therapeutic applications. For in vitro use or further manufacture only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The foregoing is in lieu of all warranties, expressed or implied, including implied warranties of merchantability and fitness for a particular purpose. In no event shall BioPorto Diagnostics A/S be responsible for loss of profits or indirect consequential losses resulting from use of its products.