

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

Subclass: IgG1/k

Clone: 15

CAT. NO. **ABS 038-15**

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

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## 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, with 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 038-15 binds human NGAL in solution and coated onto a solid phase. ABS 038-15 (as capture antibody) forms sandwich pairs with HYB 211-02, ABS 038-04, ABS 038-14 and ABS 038-26 (as biotinylated detection antibodies) for measuring human NGAL. When ABS 038-15 is used as biotinylated detection antibody with ABS 038-14 as capture antibody, the assay reacts equally with NGAL monomer and homodimer on a mass basis.

**WB:** ABS 038-15 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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