

Anti-NGAL (human)
Mouse monoclonal antibody
ABS 038-04

Subclass: IgG1/k

Clone: 4

CAT. NO.

SPECIFICITY	ABS 038-04 binds human NGAL (neutrophil gelatinase-associated lipocalin).
IMMUNOGEN	Recombinant human NGAL.
TESTED APPLICATIONS	ELISA, WB
SPECIES REACTIVITY (POSITIVE)	Human
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPE SPECIFICITY	Differs from those of HYB 211-01, ABS 038-14, -15, -23 and the ABS 062 series of antibodies.

PRESENTATION

Content:	Available in 400 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.
Preparation:	Protein-A/G purified (from culture supernatant)
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 038-04 binds human NGAL in solution and coated onto a solid phase. ABS 038-04 (as capture antibody) forms sandwich pairs with HYB 211-01, ABS 038-14, ABS 038-15 and ABS 038-23 (as biotinylated detection antibodies) for measuring human NGAL.

WB: ABS 038-04 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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