

**Anti-NGAL (human)**  
**Mouse monoclonal antibody**  
**CAT. NO. ABS 062-33**

Subclass: IgG1/k

Clone: 33

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SPECIFICITY	ABS 062-33 is specific for human NGAL (neutrophil gelatinase-associated lipocalin).
IMMUNOGEN	Human recombinant NGAL coupled to carrier and adsorbed to aluminum hydroxide gel.
TESTED APPLICATIONS	ELISA
SPECIES REACTIVITY (POSITIVE)	Human
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPE SPECIFICITY	Differs from those of the HYB 211 and ABS 062-14

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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/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.

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**APPLICATION**

**ELISA:**

When ABS 062-14 is used as biotinylated detection antibody with ABS 062-33 as capture antibody, the assay is specific for NGAL monomer, cross-reacting <1% with NGAL homodimer.

**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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