

**Anti-NGAL (human)**  
**Mouse monoclonal antibody, biotinylated**  
**ABS 062-14 B**

Subclass: IgG2a/k

Clone: 14

CAT. NO.

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SPECIFICITY                      ABS 062-14 is specific for human NGAL (neutrophil gelatinase-associated lipocalin)

IMMUNOGEN                      Human recombinant NGAL coupled to carrier

TESTED APPLICATIONS        ELISA

SPECIES REACTIVITY  
(POSITIVE)                      Human

SPECIES REACTIVITY  
(NEGATIVE)                      Not determined

EPITOPE SPECIFICITY        Differs from those of HYB 211-01, the ABS 038 series of antibodies and ABS 062-33.

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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:** 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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