

Anti-NGAL (human)

Subclass: IgG2a/k

Mouse monoclonal antibody

Clone: 14

CAT. NO.

ABS 062-14

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.

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, 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 062-14 binds human NGAL coated onto a solid phase. ABS 062-14 forms a sandwich pair with HYB 211-01, ABS 038-04, -14, -15, -23, -26 and ABS 062-33 for measuring human NGAL. 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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