

Anti-NGAL (human)

CAT. NO. ABS 038-15

OVERVIEW

Product Name	Anti-NGAL (human)	Conjugation	Unconjugated
Description	Mouse monoclonal antibody	Host	Mouse
Isotype	IgG1/k	Clone	15
Tested Applications	ELISA, WB		

SPECIFICITY

Specificity	ABS 038-15 binds human NGAL (neutrophil gelatinase-associated lipocalin). Differs from those of ABS 038-04, ABS 062-14 and ABS 062-33.
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Immunogen

Recombinant human NGAL

Gene ID 3934

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.

Species Reactivity POSITIVE

Human

 Species Reactivity Dog, Pig, Mouse, Rat
 NEGATIVE

PROPERTIES

Form	Liquid	Unit Size	0,4 mL and 1 mL
Concentration	1 mg/mL ±15%, See CoA for lot details		
Purification	Protein A or Protein G purified	Purification Notes	BSA free
Storage buffer	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide		
Storage condition	2-8°C without exposure to light		
Safety	Wear protective clothing		

TESTED APPLICATIONS

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 ABS 038-04 (as biotinylated detection antibody) for measuring human NGAL.
WB	ABS 038-15 can be used in Western blotting.

SCIENTIFIC REFERENCES

N/A

CONDITIONS

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