

## Anti-NGAL (human)

CAT. NO. ABS 038-04

### OVERVIEW

<b>Product Name</b>	Anti-NGAL (human)	<b>Conjugation</b>	Unconjugated
<b>Description</b>	Mouse monoclonal antibody	<b>Host</b>	Mouse
<b>Isotype</b>	IgG1/k	<b>Clone</b>	4
<b>Tested Applications</b>	ELISA, WB		

### SPECIFICITY

<b>Specificity</b>	ABS 038-04 binds human NGAL (neutrophil gelatinase-associated lipocalin). Differs from those of ABS 038-15, ABS 062-14 and ABS 062-33.		
<b>Immunogen</b>	Recombinant human NGAL	<b>Gene ID</b>	3934
<b>Target</b>	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.		
<b>Species Reactivity</b> <b>POSITIVE</b>	Human	<b>Species Reactivity</b> <b>NEGATIVE</b>	Not determined

### PROPERTIES

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

### TESTED APPLICATIONS

<b>ELISA</b>	ABS 038-04 binds human NGAL in solution and coated onto a solid phase. ABS 038-04 (as capture antibody) forms sandwich pairs with ABS 038-15 (as biotinylated detection antibodies) for measuring human NGAL.
<b>WB</b>	ABS 038-04 can be used in Western blotting.

### SCIENTIFIC REFERENCES

N/A

#### CONDITIONS

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