

Anti-NGAL (mouse)

CAT. NO. ABS 043-10

OVERVIEW

Product Name	Anti-NGAL (mouse)	Conjugation	Unconjugated
Description	Rat monoclonal antibody	Host	Rat
Isotype	IgG1/k	Clone	10
Tested Applications	ELISA, WB		

SPECIFICITY

Specificity	ABS 043-10 binds NGAL (neutrophil gelatinase-associated lipocalin) in mouse serum.		
Immunogen	Recombinant mouse NGAL	Gene ID	16819
Target	<p>Mouse neutrophil gelatinase-associated lipocalin (NGAL; also called lipocalin 2, 24p3, SIP24, uterocalin and siderocalin) is a member of the lipocalin family of proteins which bind and transport small lipophilic molecules. 24p3 was observed to be dramatically upregulated in kidney cell cultures infected with SV40 and subsequently identified as a lipocalin. Unlike human NGAL, it is an acute phase protein upregulated in the liver. but like its mammalian homologues it is upregulated and secreted by the kidney in response to ischemic or nephrotoxic injury. It is also upregulated in the involuting uterus and mammary gland.</p>		
Species Reactivity POSITIVE	Mouse	Species Reactivity NEGATIVE	Human, Pig, Dog, Rat

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 43-10 binds free mouse NGAL in solution. ABS 043-10 forms an antibody pair for sandwich ELISA with ABS 043-29. It is recommended to use ABS 043-10 as a capture antibody and biotinylated ABS 043-29 as a detection antibody. (1)
WB	ABS 043-10 can be used in Western blotting.

SCIENTIFIC REFERENCES

1. Bangert et al (2013) The Monomer is the Major Form of NGAL in Urine and Plasma in Severe Sepsis J Am Soc Nephrol 24: 368A

CONDITIONS

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