

Anti-NGAL (rat)

CAT. NO. ABS 039-15

OVERVIEW

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

SPECIFICITY

Specificity	ABS 039-15 binds rat NGAL (neutrophil gelatinase-associated lipocalin).		
Immunogen	Recombinant rat NGAL precursor with C-terminal His-tag coupled to carrier.	Gene ID	170496
Target	Rat NGAL, so called because it is the ortholog of human neutrophil gelatinase-associated lipocalin (NGAL), is also called lipocalin 2, 25-kDa alpha 2-microglobulin-related protein or neu-related lipocalin. It is expressed by neutrophils and various epithelial cells, including tubular cells of the kidney. It is involved in physiological processes such as the binding of siderophore iron and tissue growth and regeneration. It is up-regulated in a variety of pathological situations including infection, inflammation, renal injury and certain adenocarcinomas.		
Species Reactivity POSITIVE	Rat	Species Reactivity NEGATIVE	Human, Pig, Dog, Mouse

PROPERTIES

Form	Liquid	Unit Size	0,4 mL and 1 mL
Concentration	1 mg/mL \pm 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 039-15 binds free rat NGAL in solution. ABS 039-15 (as capture antibody) forms a sandwich ELISA pair with ABS 039-32 (as biotinylated detection antibody) for measuring rat NGAL (measuring range 4-400 pg/mL in an optimized assay). (1)
--------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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

Unless otherwise marked, all products are for research use only. Not for use in diagnostic procedures. Not for use in human therapeutic applications. For in vitro use or further manufacture only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The foregoing is in lieu of all warranties, expressed or implied, including implied warranties of merchantability and fitness for a particular purpose. In no event shall BioPorto Diagnostics A/S be responsible for loss of profits or indirect consequential losses resulting from use of its products.