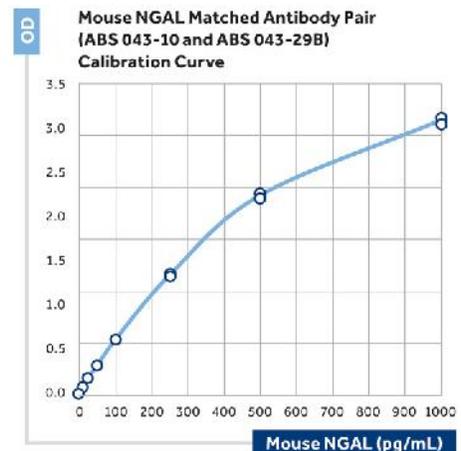


PRODUCT NAME	Recombinant Mouse NGAL Recombinant protein
PRODUCT NO.	SP002RA
PRESENTATION	Production: E. coli Source: Full length amino acid sequence Content: 1 mL, 1000 pg/mL +/- 15% Solvent: 0.01 M phosphate buffer, pH 7.4, with 0.14 M NaCl, 0.5% BSA; 0.5% Tween 20; 0.0016% Phenol red; 0.1% Proclin 950 Storage: 2-8°C

PREPARATION This product is purified full length recombinant protein without any tags, produced from E. coli

APPLICATION ELISA
This antigen is well suited as a standard in NGAL quantifying assays, such as e.g. ELISA.

The figure illustrates the calibration curve of a sandwich assay with ABS 043-10 as the capture antibody and ABS 043-29B as the biotinylated detection antibody.



BACKGROUND 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 (1) and subsequently identified as a lipocalin (2). Unlike human NGAL, it is an acute phase protein upregulated in the liver (3), but like its mammalian homologues it is upregulated and secreted by the kidney in response to ischemic or nephrotoxic injury (4). It is also upregulated in the involuting uterus and mammary gland (5).

REFERENCES

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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.