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:

CONDITIONS:
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