



Product Information Sheet

Polyclonal Anti- Europhile gelatinase-associated lipocalin, *NGAL (Magnetic Bead Conjugate)*

Catalogue No. PA1381-M

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminal of rat NGAL (38-53 aa), identical to the related mouse and rat sequence.

Lot No. 0131112028127

Purity

Immunogen affinity purified.

Ig type rabbit IgG

Size 100µg/vial

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Specificity

Rat.

No cross reactivity with other proteins.

Reconstitution

0.2ml of distilled water will yield a concentration of 500µg/ml.

Recommended application

ImmunoPrecipitation

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

BACKGROUND

Europhile gelatinase-associated lipocalin (NGAL) is a protein that in humans is encoded by the LCN2 gene. The binding of lipocalin-2 to bacterial siderophores is important in the innate immune response to bacterial infection. Upon encountering invading bacteria the toll-like receptors on immune cells stimulate the synthesis and secretion of lipocalin-2. Secreted lipocalin-2 then limits bacterial growth by sequestering iron-containing siderophores. Lipocalin-2 also functions as a growth factor.

REFERENCE

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