NGAL (mouse) Monoclonal Antibody - Biotinylated (Clone 29)
Item No. 21142

Overview and Properties

Contents: This vial contains 50 µl of 1 mg/ml (±15%) solution of biotinylated antibody.
Synonyms: Lipocalin-2, Neutrophil gelatinase-associated lipocalin, Oncogene 24p3
Immunogen: Recombinant mouse NGAL
Species Reactivity: (+) Mouse NGAL; (-) Human, dog, pig, and rat NGAL
Uniprot No.: P11672
Form: Liquid
Storage: 4°C (as supplied); store in the dark
Stability: As supplied, 6 months from the QC date provided on the Certificate of Analysis, when stored properly
Storage Buffer: 0.01 M phosphate buffer, pH 7.4, containing 0.14 M sodium chloride and 15 mM sodium azide
Clone: 29
Host: Rat
Isotype: IgG1/k
Application: ELISA; NGAL (mouse) Monoclonal Antibody - Biotinylated (Clone 29) forms an antibody pair for sandwich ELISA with NGAL (mouse) Monoclonal Antibody (Clone 10; Item No. 21143). It is recommended to use Item No. 21143 as capture antibody and Item No. 21142 as detection antibody.

Image

The figure illustrates the calibration curve of a sandwich assay with Item No. 21143 as the capture antibody and Item No. 21142 as the biotinylated detection antibody.
Description

Mouse neutrophil gelatinase-associated lipocalin (NGAL) 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.\(^1,2\) Unlike human NGAL, it is an acute phase protein upregulated in the liver, but like its mammalian homologs it is upregulated and secreted by the kidney in response to ischemic or nephrotoxic injury.\(^3,4\) It is also upregulated in the involuting uterus and mammary gland.\(^5\)

References