



From Biology to Discovery™

NGAL (14) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 254530

Unit: 0.2 mg

Description:

Neutrophil gelatinase-associated lipocalin (NGAL; also called lipocalin 2, siderocalin and neutrophil lipocalin) is a member of the lipocalin family of proteins which bind and transport small lipophilic molecules. NGAL is released by activated neutrophils and occurs as 25-kDa glycosylated single protein chain monomers, which form dimers and small amounts of higher oligomers, as well as complexes with matrix metalloproteinase 9 (MMP-9; gelatinase B). Low level expression of NGAL in a variety of epithelia may be increased in inflammation or cancers. The expression and release of NGAL from renal tubules are dramatically increased by ischemic or nephrotoxic injury. This antibody is specific for human NGAL but shows reactivity with pig and dog NGAL. No cross-reaction with NGAL from mouse and rat has been detected.

Isotype: Mouse IgG1

Applications: E, WB

Species Reactivity: D, H, P

Format: Each vial contains 0.2 mg IgG in 0.2 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-A/G affinity chromatography.

Alternate Names: Neutrophil gelatinase-associated lipocalin; ; 25; 25 kDa alpha-2-microglobulin-related subunit of MMP-9; Lipocalin-2; Oncogene 24p3

Accession No.: P80188

Antigen: Human recombinant NGAL adsorbed to aluminium hydroxide gel.

Application Notes: Product Cat. No. 254530 reacts in ELISA with human NGAL in solution or coated directly onto the well. Cat. No. 254530 (as capture antibody) forms a sandwich ELISA pair with Products Cat. No. 250385, 250386 and 250387 (as biotinylated detection antibody) for measuring human NGAL. When 250387 is used as biotinylated detection antibody with 254530 as capture antibody, the assay reacts equally with NGAL monomer and homodimer on a mass basis. When 254530 is used as biotinylated detection antibody with 254530 as capture antibody, the assay is specific for NGAL homodimer. E: 1:200; WB: 1:50

Storage: Store at 4°C. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.