

NGAL (5G5) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250385

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. No cross-reaction with NGAL from other species has been detected.

Isotype: Mouse IgG1

Applications: E, IHC, WB

Species Reactivity: H

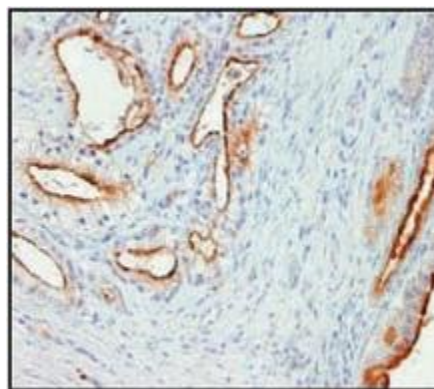
Format: Each vial contains 0.2 mg IgG in 0.2 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-A/G affinity chromatography.

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 in monomer and dimer forms adsorbed to aluminium hydroxide gel (4).

Application Notes: Product Cat. No. 250385 reacts strongly in ELISA with human NGAL coated directly onto the well, or in sandwich ELISA used as detection antibody with a polyclonal capture antibody. Product Cat. No. 250385 reacts with NGAL in immunochemical staining of paraformaldehyde-fixed sections containing neutrophils. Product Cat. No. 250385 reacts in western blot with NGAL in both reduced and non-reduced forms. E: 1:16,000; WB: 1:500; IHC: 1:500



(PaCa)

NGAL staining in human pancreatic tumors. Paraffin-embedded mouse tissues are stained with NGAL (5G5) Antibody (Cat. No. 250385) used at a 1:10 dilution after injection with human PaCa cells overexpressing human NGAL.

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.