NGAL (15) Antibody

Subcategory: Mouse Monoclonal Antibody
Cat. No.: 254529
Unit: 0.2 mg

Description:
Rat NGAL, so called because it is the ortholog of human neutrophil gelatinase-associated lipocalin (NGAL), is also called lipocalin 2, 25-kDa alpha 2-microglobulin-related protein or neu-related lipocalin. It is expressed by neutrophils and various epithelial cells, including cells of the renal proximal tubules. It is involved in physiological processes such as the binding of siderophore iron and tissue growth and regeneration. It is upregulated in a variety of pathological situations including infection, inflammation, ischemia-reperfusion and in certain adenocarcinomas. This antibody binds rat NGAL and shows no cross-reaction with human, pig, dog and mouse NGAL.

Isotype: Mouse IgG1
Applications: E
Species Reactivity: R
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: NGAL; p25; 25kDa alpha-2-microglobulin-related subunit of MMP-9
Accession No.: P30152

Antigen: Recombinant rat NGAL precursor with C-terminal His-tag coupled to carrier.
Application Notes: Product Cat. No. 254529 binds free rat NGAL in solution. The ELISA dilution guideline applies to rat NGAL coated directly at 1.0 µg/mL. Product Cat. No. 254529 (as capture antibody) forms a sandwich ELISA pair with Product Cat. No. 250248 (as biotinylated detection antibody) for measuring rat NGAL (measuring range of 4-400 pg/mL in an optimized assay). E: 1:4,000

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.