Anti-Neutrophil gelatinase-associated lipocalin (human, NGAL)
Mouse monoclonal antibody

**PRODUCT NO.**
HYB 211-01

**PRESENTATION**
Preparation: Protein-A/G purified
Content: Available in 200 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.
Solvent: 0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide
Storage: 4-8°C without exposure to light. No precautions necessary during handling.

**ANTIGEN**
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) (1). Low level expression of NGAL in a variety of epithelia may be increased in inflammation or cancers (2). Expression of NGAL in the kidney is dramatically increased by acute kidney injury (3).

**IMMUNOGEN**
Human recombinant NGAL in monomer and dimer forms adsorbed to aluminum hydroxide gel.

**SPECIFICITY**
HYB 211-01 is specific for human NGAL. No cross-reaction with NGAL from other species has been detected.

**EPITOPE SPECIFICITY**
HYB 211-01 reacts strongly with human NGAL. Strong reaction is seen when used as detection antibody in sandwich ELISA in combination with a polyclonal NGAL capture antibody and when tested on recombinant NGAL coated directly onto the well. It can also be used as capture antibody in sandwich ELISA with biotinylated HYB 211-02 as detection antibody. HYB 211-01 reacts with NGAL in immunochemical staining of paraformaldehyde-fixed sections. In Western blotting of SDS-PAGE gels, HYB 211-01 reacts with NGAL in both reduced and unreduced forms (4, 5)

**CULTURE MEDIUM**
Hybridoma Serum Free Medium

**FUSION PARTNER**
X63-Ag8.653

**IMMUNIZATION**
Female CF1 x BALB/c mice immunized by intraperitoneal injection

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<td>ELISA</td>
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<td>Immunoblotting</td>
<td>Yes</td>
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**REFERENCES**


**CONDITIONS**
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