

**Anti-NGAL (rat)**
**Mouse monoclonal antibody**

CAT. NO.

**ABS 039-08**

Subclass: IgG1/k

Clone: 8

**SPECIFICITY** ABS 039-08 binds rat NGAL (neutrophil gelatinase-associated lipocalin)

**IMMUNOGEN** Recombinant rat NGAL precursor

**TESTED APPLICATIONS** ELISA, IHC

**SPECIES REACTIVITY (POSITIVE)** Rat

**SPECIES REACTIVITY (NEGATIVE)** Human, pig, dog, mouse

**EPITOPE SPECIFICITY** Not determined

**PRESENTATION**
**Content:** Available in 400 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.

**Preparation:** Protein-A purified

**Form:** Liquid

**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.

**APPLICATION** **ELISA:** ABS 039-08 binds free rat NGAL in solution.

**IHC:** ABS 039-08 reacts with rat NGAL, when used in Immunohistochemistry (1).

**TARGET** 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 tubular cells of the kidney. 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, renal injury and certain adenocarcinomas.

**REFERENCES** 1. Zhang J, Ohm J, Vaidya V, Espandiari P, Knapton A, Goering P, Brown R, Bonventre J, Herman E (2009) NGAL Expression in Kidney of Spontaneously Hypertensive Rats (SHR) Treated with Doxorubicin (DXR) Alone or Combined with Dexrazoxane (DRZ) (Presented at Tox Expo 2009)

**CONDITIONS**

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