

Product datasheet for **TA700555**

NGAL (LCN2) Biotinylated Mouse Monoclonal Detection Antibody (Biotin conjugated) [Clone ID: OTI10F11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI10F11
Applications:	ELISA, LMNX
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 21-198 of human NGAL (NP_005555) produced in E.coli.
Formulation:	PBS (pH7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
Predicted Protein Size:	22.6 kDa
Gene Name:	lipocalin 2
Database Link:	NP_005555 Entrez Gene 3934 Human P80188



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Background:

This gene encodes a protein that belongs to the lipocalin family. Members of this family transport small hydrophobic molecules such as lipids, steroid hormones and retinoids. The protein encoded by this gene is a neutrophil gelatinase-associated lipocalin and plays a role in innate immunity by limiting bacterial growth as a result of sequestering iron-containing siderophores. The presence of this protein in blood and urine is an early biomarker of acute kidney injury. This protein is thought to be involved in multiple cellular processes, including maintenance of skin homeostasis, and suppression of invasiveness and metastasis. Mice lacking this gene are more susceptible to bacterial infection than wild type mice. [provided by RefSeq, Sep 2015]

Synonyms:

24p3; MSFI; NGAL; p25

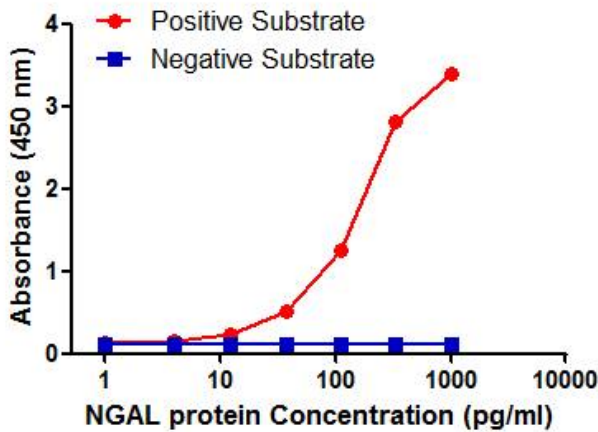
Matched ELISA Pair:

TA700554, TA600554

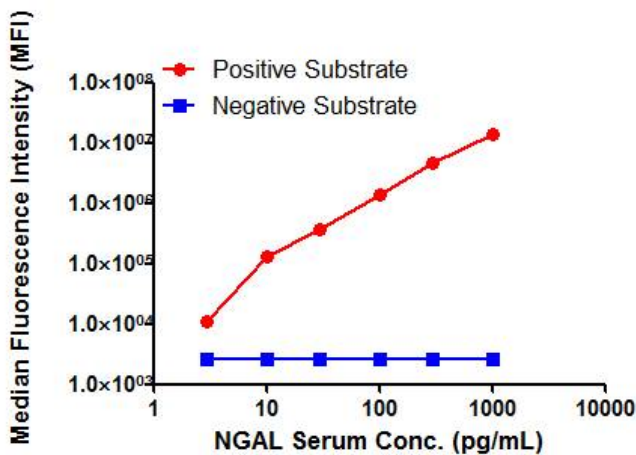
Protein Families:

Secreted Protein

Product images:



NGAL ELISA with 6C3 Capture ([TA600554]) and 10F11 Detection (TA700555) Antibodies. Substrate used: Recombinant Human NGAL (HEK293 cells expressed protein)



NGAL Luminex ELISA with 6C3 Capture ([TA600554]) and 10F11 Detection (TA700555) Antibodies. Substrate used: NGAL Serum