



# Anti-LCN2 monoclonal antibody, clone 339532 (DCABY-4174)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	The Lipocalin family comprises a diverse group of mostly secreted soluble proteins that bind hydrophobic ligands and act as transporters, carrying small molecules to specific cells. Lipocalins are related by possessing an 8-stranded beta-barrel structure. Lipocalin-1, also named tear lipocalin (TL), von Ebners gland protein (VEG) and tear pre-albumin, binds a large number of hydrophobic molecules and exhibits cysteine proteinase inhibitor and endonuclear activities. Lipocalin-2, also known as neutrophil gelatinase-associated lipocalin (NGAL), is a component of granules in neutrophils from tissues that are normally exposed to microorganisms and is upregulated during inflammation. Lipocalin-2 can form homodimers and can heterodimerize with the neutrophil gelatinase MMP-9.
<b>Specificity</b>	Detects mouse Lipocalin-2/NGAL in ELISAs. In sandwich immunoassays, no cross-reactivity with recombinant human (rh)Lipocalin-1, rhLipocalin-2 or recombinant rat Lipocalin-2 is observed.
<b>Immunogen</b>	NS0-derived recombinant mouse Lipocalin-2/NGAL. Gln21-Asn200 Accession Number P11672
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	339532
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA Capture (Matched Pair)

<b>Format</b>	Liquid
<b>Size</b>	500 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month from date of receipt, 2 to 8 °C, reconstituted. 6 months from date of receipt, -20 to -70 °C, reconstituted.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Lcn2 lipocalin 2 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	LCN2
<b>Synonyms</b>	LCN2; lipocalin 2; 24p3; Sip24; AW212229; neutrophil gelatinase-associated lipocalin; p25; lipocalin-2; siderocalin LCN2; SV-40-induced 24P3 protein; secreted inducible protein 24;
<b>Entrez Gene ID</b>	<a href="#">16819</a>
<b>Protein Refseq</b>	<a href="#">NP_032517</a>
<b>UniProt ID</b>	<a href="#">P11672</a>
<b>Chromosome Location</b>	2 A3; 2 22.09 cM
<b>Function</b>	iron ion binding; protease binding; protein binding; protein homodimerization activity; small molecule binding; transporter activity;