

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	NGAL, Human, clone 697		
Catalog number	HM2193-100UG		
Lot number	-	Expiry date	-
Volume	1 ml	Amount	100 µg
Formulation	0.2 µm filtered in PBS+0.1%BSA+0.02%NaN3	Concentration	100 µg/ml
Host Species	Mouse IgG1	Conjugate	None
Endotoxin	N.A.	Purification	Protein G
Storage	4°C		

Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes			•			•		
No								
N.D.	•	•		•	•		•	•

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot

Dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.

General Information

Description	The monoclonal antibody 697 reacts with human neutrophil lipocalin (HNL), also known as human nGAL (25 kDa). Lipocalins are a widespread family of small, robust proteins that typically transport or store biological compounds which are either of low solubility or are chemically sensitive, including vitamins, steroids, odorants and metabolic products. The members of this lipocalins share a high similarity in their tertiary structures in spite of a low degree in amino-acid sequence identity: three highly conserved sequence motifs form a funnel-like beta barrel which encloses a hydrophobic pocket for the internal ligand binding. The human neutrophil lipocalin (HNL) is produced by neutrophil leukocytes and stored in intracellular specific granules. Neutrophil lipocalin is covalently linked to gelatinase B (MMP-9) and proMMP is stored in three forms: the monomeric form (92 kDa), the homodimer (220 kDa) and a heterodimer (125 kDa). During inflammation and neoplastic transformation the human neutrophil lipocalin (HNL) is produced in neutrophils and in epithelial cells. Furthermore neutrophil lipocalin is a superior means to distinguish acute bacterial and viral infections as well as it enables the determination of the neutrophil activation level.
Aliases	Neutrophil Lipocalin, HNL
References	1. Metso, T et al; Cell specific markers for eosinophils and neutrophils in sputum and bronchoalveolar lavage fluid of patients with respiratory conditions and healthy subjects. Thorax 2002, 57: 449
Storage&stability	Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.
Precautions	For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC
Brenda Teunissen

Date
03/12/2019

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.