

**CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET**

<b>Product name</b>	NGAL, Human, clone 697		
<b>Catalog number</b>	HM2193-20UG		
<b>Lot number</b>	-	<b>Expiry date</b>	-
<b>Volume</b>	200 µl	<b>Amount</b>	20 µg
<b>Formulation</b>	0.2 µm filtered in PBS+0.1%BSA+0.02%NaN3	<b>Concentration</b>	100 µg/ml
<b>Host Species</b>	Mouse IgG1	<b>Conjugate</b>	None
<b>Endotoxin</b>	N.A.	<b>Purification</b>	Protein G
<b>Storage</b>	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**

<b>Description</b>	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.
<b>Aliases</b>	Neutrophil Lipocalin, HNL
<b>References</b>	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
<b>Storage&amp;stability</b>	Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.
<b>Precautions</b>	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  
02/12/2020

Do you have any questions or comments regarding this product? Please contact us via [support@hycultbiotech.com](mailto:support@hycultbiotech.com).