

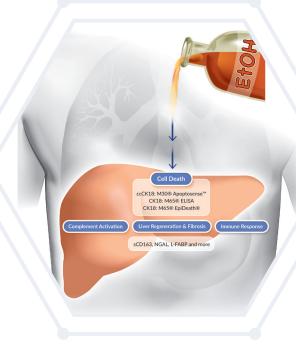
# Alcohol-Associated Liver Disease (ALD)/ Alcohol-Associated Hepatitis (AH)

### **RESEARCH ASSAYS**

Biomarkers of cell death and regeneration, inflammation, and immune response become useful tools as new potential Alcohol Associated Liver Disease (ALD) and Alcohol Associated Hepatitis (AH) treatment options are investigated. Serum biomarkers can provide valuable insights into:

- Disease severity and progression in ALD and AH research studies
- Mechanisms involved in ALD and AH pathogenesis
- Liver response to potential ALD therapies

DiaPharma offers a variety of assays for measuring blood-based biomarkers in liver research studies. Measuring these biomarkers provides a noninvasive testing approach in the evaluation of liver disease mechanisms. Having this additional biomarker information can provide a more detailed picture of disease pathophysiology.



#### Cell Death

Cytokeratin 18/Keratin 18 (K18) ELISA kits	Order No.
K18 M30 <sup>®</sup> Apoptosense™	P10011
K18 M65 <sup>®</sup> ELISA	P10020
K18 M65 <sup>®</sup> EpiDeath <sup>™</sup>	P10040





#### **Complement Activation**

Complement ELISA kits	Order No.
C3a ELISA	DPG-C3A
C5a ELISA	DPG-C5A
sC5b-9 ELISA	DPG-SC5B9

#### Immune Response

Immune Response and NETosis Markers	Order No.
sCD163 Macro163 <sup>™</sup> ELISA	IQP-383
Volition Nu.Q <sup>®</sup> Discover H3.1 ELISA	1001-01-03
Volition Nu.Q® H3R8Cit ELISA	Coming Soon

#### Liver Injury, Regeneration & Fibrosis

Liver Injury Markers and MMP Activity Assays	Order No.
DiaPharma Liver Fatty Acid Binding Protein (L-FABP) (FABP1) ELISA	DPGLFABP
QuickZyme Human MMP-2 Activity Assay	QZBmmp2Hv2
QuickZyme Human MMP-8 Activity Assay	QZBmmp8H
QuickZyme Human MMP-9 Activity Assay	QZBmmp9H

Visit **diapharma.com** for our comprehensive product portfolio, including biomarker assays for Metabolic dysfunction-associated steatotic liver disease (MASLD)/ Metabolic dysfunction-associated steatohepatitis (MASH) and Drug Induced Liver Injury (DILI).



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