

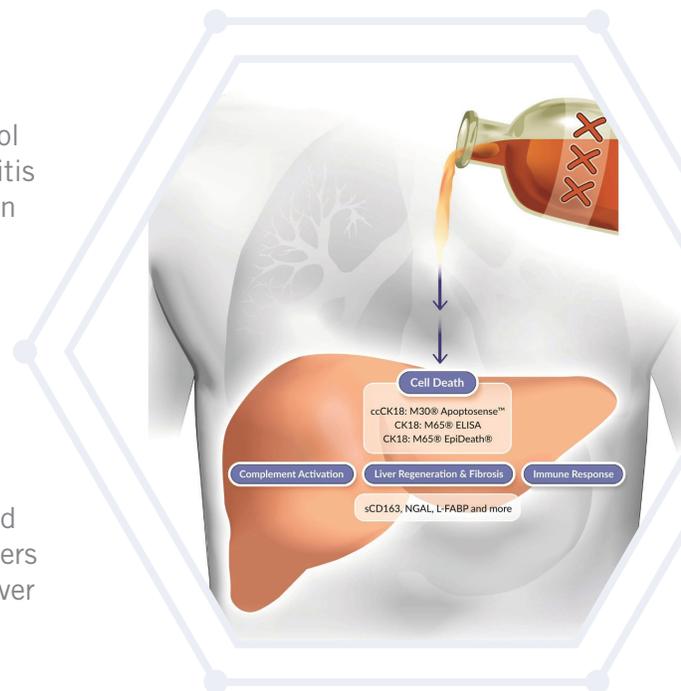
# Alcohol Associated Liver Disease (ALD) / Alcohol Associated Hepatitis (AH)

## 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.



## Cell Death

Cytokeratin 18/Keratin 18 (K18) ELISA kits	Order No.
K18 M30® Apoptosense™	P10011
K18 M65® ELISA	P10020
K18 M65® EpiDeath™	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 ELISA kits	Order No.
Osteopontin ELISA	DPG27158
Osteopontin N-half ELISA	DPG27258
sCD163 Macro163™	IQP-383
Neutrophil Gelatinase-Associated Lipocalin (NGAL)	DPG-NGAL
Neutrophil Gelatinase-Associated Lipocalin (NGAL)	DPG-2NGAL
ImmunoDiagnostics Human Lipocalin-2	31050

## Liver Injury, Regeneration & Fibrosis

Liver Injury Immunoassays	Order No.
DiaPharma Liver Fatty Acid Binding Protein (L-FABP) (FABP1) ELISA	DPGLFABP
ImmunoDiagnostics Fatty-Acid Binding Protein 4	31030
FluoBolt™ WNT3A	FIA-1705
FluoBolt™ Noggin	FIA-1701
FluoBolt™ Asporin	FIA-1702

Visit [diapharma.com](http://diapharma.com) for our comprehensive product portfolio, including biomarker assays for Nonalcoholic Fatty Liver Disease (NAFLD)/Nonalcoholic Steatohepatitis (NASH) and Drug Induced Liver Injury (DILI).

**It's not just support. It's solutions.**

**800.526.5224 | [info@diapharma.com](mailto:info@diapharma.com) | [diapharma.com](http://diapharma.com)**

