

Technical Information

M30 Apoptosense® ELISA (PEVIVA®)

Measurement of soluble human intermediate filament protein fragments of keratin 18 (K18)* that contain the M30 neo-epitope (K18Asp396-NE).

Released from human epithelial cells.

CE

Cat. No.:	10011
Tests:	96
Method:	ELISA
Range:	40 – 1000 U/l (units are defined against a synthetic peptide standard containing the M30 and M5 epitopes; 1 U/l = 1.24 pM)
LLOD:	20 U/L
LLOQ:	40 U/l
Incubation time:	4.5 hours
Sample volume:	25 µl
Sample type:	serum, plasma (EDTA, Heparin, Citrate) and cell cultures (epithelial cell)

Sample preparation: Store samples at 2 – 8 °C up to 4 hours. For longer periods, store samples frozen at -20 °C or lower. Samples can be freeze-thawed without loss of activity, it is recommended that repeated freeze thawing should be avoided.

Reference values: Cut-off < 200 U/L - 200 normal subjects, 95th percentile 251 U/L

> 200 U/l Values are a strong indication for substantial liver disease (for example NASH), if the presence of an epithelial carcinoma is excluded.

Species: Human, Primates

Intended Use:

The M30 Apoptosense® ELISA measures soluble human intermediate filament protein fragments of keratin 18 (K18) that contain the M30 neo- epitope (K18Asp396-NE) released from human epithelial cells. M30 detects only caspase-cleaved fragments of K18 (ccK18; K18Asp396) but not the native protein. Antigen generation is strictly dependent on caspase activation. The presence of ccK18 in plasma therefore shows epithelial cell apoptosis.

Note: caspase-cleaved K18 = ccK18 previously Cytokeratin 18 (CK18/ccCK18)

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