

Protein Carbonyl ELISA kit

High sensitivity ELISA for quantitative determination of carbonylated protein levels in plasma, other body fluids, cell and tissue extracts.

The Protein carbonyl ELISA kit is an antibody-based detection set. It has higher sensitivity, lower background, is less labour-intensive and handles more samples per day as compared to colorimetric assays.

Protein carbonyls are formed by a variety of oxidative mechanisms and are sensitive indices of oxidative injury. The quantity of protein carbonyls in a protein sample can be determined by derivatising with dinitrophenylhydrazine (DNP) and measure bound DNP colorimetrically or immunologically. The ELISA method enables carbonyls to be measured quantitatively with microgram quantities of protein.

- High sensitivity ELISA, detecting low levels of carbonylated proteins
- Validated in various sample types
- Fully quantitative results that surpass semi-quantitative Western blot analysis

Ordering Information

[Order Online »](#)

ALX-850-312A

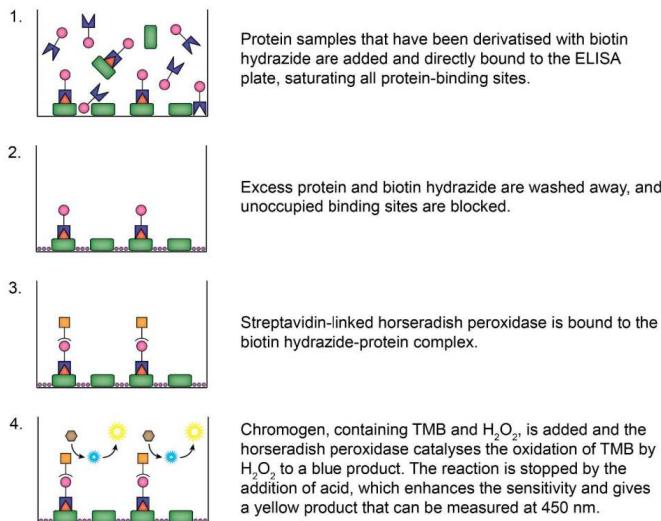
96 wells

Manuals, SDS & CofA

[View Online »](#)

Key:

| | | |
|------------------|--|-------------------------|
| ■ Protein | ▲ Carbonyl group | ● Biotin hydrazide |
| ● Blocking agent | ■ Streptavidin-linked horseradish peroxidase | |
| ● TMB | ● Oxidised TMB (basic) | ● Oxidised TMB (acidic) |



Handling & Storage

Use/Stability Freezer (-20 °C): Components F, K and L. Fridge (4 °C): Components H and I. Store the remainder of the kit at room temperature.

Shipping Ambient Temperature

Regulatory Status RUO - Research Use Only

Product Details

Compatibility This product is compatible with the [**Absorbance 96 Plate Reader.**](#)

Wavelength 450 nm

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