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Datasheet for ABIN6730234

S100A8/A9 Complex (Calprotectin) ELISA Kit

Overview

Quantity:	96 tests
Target:	S100A8/A9 Complex (Calprotectin) (S100A8/A9)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	35 pg/mL - 8000 pg/mL
Minimum Detection Limit:	35 pg/mL
Application:	ELISA

Product Details

Purpose:	Human Calprotectin L1/S100-A8/A9 Complex ELISA Kit for Serum, Plasma, and Cell Culture Supernatants.
Sample Type:	Cell Culture Supernatant, Plasma, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA antibody pair recognizes Human Calprotectin L1.
Characteristics:	<ul style="list-style-type: none">• Strip plates and additional reagents allow for use in multiple experiments• Quantitative protein detection• Establishes normal range• The best products for confirmation of antibody array data
Components:	<ul style="list-style-type: none">• Pre-Coated 96-well Strip Microplate• Wash Buffer

Product Details

- Stop Solution
- Assay Diluent(s)
- Lyophilized Standard
- Biotinylated Detection Antibody
- Streptavidin-Conjugated HRP
- TMB One-Step Substrate

Material not included:

- Distilled or deionized water
- Precision pipettes to deliver 2 µl to 1 µl volumes
- Adjustable 1-25 µl pipettes for reagent preparation
- 100 µl and 1 liter graduated cylinders
- Tubes to prepare standard and sample dilutions
- Absorbent paper
- Microplate reader capable of measuring absorbance at 450nm
- Log-log graph paper or computer and software for ELISA data analysis

Target Details

Target: S100A8/A9 Complex (Calprotectin) (S100A8/A9)

Alternative Name: Calprotectin L1 (S100-A8/A9 Complex) ([S100A8/A9 Products](#))

Pathways: [S100 Proteins](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Protocol:

1. Prepare all reagents, samples and standards as instructed in the manual.
2. Add 100 µl of standard or sample to each well.
3. Incubate 2.5 h at RT or O/N at 4°C.
4. Add 100 µl of prepared biotin antibody to each well.
5. Incubate 1 h at RT.
6. Add 100 µl of prepared Streptavidin solution to each well.
7. Incubate 45 min at RT.
8. Add 100 µl of TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.
10. Add 50 µl of Stop Solution to each well.
11. Read at 450 nm immediately.

Reagent Preparation: Recommended Dilution for serum and plasma samples 4000 fold

Restrictions: For Research Use only

Handling

Storage Comment: The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4°C for up to 6 months. For extended storage, it is recommended to store at -80°C.

Expiry Date: 6 months