

FOR IN VITRO USE AND RESEARCH USE ONLY  
 NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

1th Edition

## [ **INTENDED USE** ]

The Antibody Pair can be used for quantifying natural and recombinant human APOA1 in ELISA, CLIA, ELISPOT, Luminex, Immunochromatography and other immunoassays.

## [ **CONTENTS AND PROPERTIES** ]

### **Content 1: Standard**

Traits	Quantity	Vials	Components
Freeze-dried powder	5 µg/vial	1 vial	E.coli derived Recombinant APOA1 in BSA solution

### **Content 2: Capture Antibody to APOA1**

Quantity	110 µg	Vials	1 vial
Concentration	500 µg/mL	Host	Mouse
Clone Number	P1C5	Isotype	IgG2b-λ
Traits	Liquid	Buffer	0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

### **Content 3: Detection Antibody to APOA1**

Quantity	30 µg	Vials	1 vial
Concentration	500 µg/mL	Host	Mouse
Clone Number	P1C9	Isotype	IgG2b-κ
Traits	Liquid	Buffer	0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

## [ **REAGENT PREPARATION** ]

Bring all components to room temperature (18-25°C) and briefly spin or centrifuge the vials before use. Working solutions should be prepared and used immediately.

**Standard:** Reconstitute the Standard with Standard Diluent. Cloud-Clone's product of Standard Diluent (Catalog: IS0051) is highly recommended.

**Capture Antibody:** Working concentration of 2 µg/mL is recommended, dilute the Ab with Coating Buffer. Cloud-Clone's product of Coating Buffer (Catalog: IS0052) is highly recommended.

**Detection Antibody:** Working concentration of 0.5 µg/mL is recommended, dilute the Ab with Dilution Buffer. Cloud-Clone's product of Dilution Buffer (Catalog: IS0053) is highly recommended.

**Notes:** The recommended Cloud-Clone's products of diluents and buffers are validated in the lab, other reagents selected for use can alter the performance of an immunoassay.

## **[ STORAGE ]**

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -20°C for eight months. Please make all solutions fresh before the experiment.

**Notes:** Please avoid pollution.

## **[ In-House Data ]**

1. 2 µg/mL Capture Ab and 0.5 µg/mL Detection Ab were used as antibody pairs in sandwich ELISA with detection range of 7.8-500ng/mL.
2. Serum/plasma samples require about 1,000 fold dilution for detection in the above ELISA.