

### NEW RELEASE !!



## Human Apoptosis Inhibitor of Macrophage (hAIM) ELISA Kit [Cat # KK901]



### Introduction

AIM (Apoptosis Inhibitor of Macrophage), a protein produced by macrophage and present in the blood, interacts with both adipose cells and macrophages<sup>1)</sup>. By inducing neutral fat breakdown in adipose cells and inhibits cellular death of macrophage, AIM shows a strong association with various lifestyle-related diseases such as obesity, arteriosclerosis, and diabetes<sup>2-5)</sup>. In recent years, it is indicated that AIM plays a role in the pathogenesis of autoimmune disease associated with obesity<sup>6)</sup>. As seen above, amount of AIM in the blood is related to pathological condition of many diseases problematic in modern society, and the measurement of AIM is suggested to be effective for diagnostic and therapeutic research of the lifestyle-related diseases. Precise measurement may be difficult depending on the antibody character since AIM is attached to IgM in the blood, however the antibody used in this kit is unaffected by IgM, which enables accurate measurement of AIM<sup>7)</sup>.

#### Assay Characteristics

High Specificity (no affected by IgM)

Range: 0-100 ng/mL

Assay samples: serum, biological samples

#### Performance Data (n=10)

Within-run Reproducibility CV < 10 %

Between-run Reproducibility CV < 10 %

**Key Words:** CD5L, apoptosis, macrophage, inhibitory factor, obesity, arteriosclerosis, diabetes, chronic kidney disease (CKD), acute kidney injury (AKI)

### References

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