IBL Newsletter

Winter ~Spring 2023

Unique & Niche,
Antibody & ELISA

Highlights – ANGPTL Family

Dear Valued Customers,
We hope this newsletter finds you well. This winter is very cold here in Japan and we look very much forward to having a warm and beautiful spring! This newsletter focus about ANGPTL family.

Angiopoietin-like proteins (ANGPTLs) are secretory form proteins which are similar in structure to angiopoietin which is an angiogenesis factor, and 7 ANGPTLs have been identified. ANGPTL2 has been found to affect vascular cells and monocytes, and it have also been known that ANGPTL3 and ANGPTL4 play important roles in lipid metabolism and AGF (Angiopoietin-like growth factor)/ANGPTL6 plays in energy metabolism. These various biological effects of ANGPTL family are attracting attention as a new target of strategy against lifestyle-related diseases like metabolic syndrome or cancer.

Biomarker of dysfunction of cells and progression of chronic inflammation
ANGPTL-2

The normal function ANGPTL2 is repairing tissue damage and maintaining homeostasis. High level of ANGPTL2 does not reflect a specific disease, however it is suggested that ANGPTL2 will be a marker of dysfunction of cells and progression of Chronic inflammation.
Human ANGPTL2 ELISA Kit (#27745)

ANGPTL-3 vaccine treatment
ANGPTL-3

https://www.sciencedirect.com/science/article/pii/S2666379121003141
The study reported that ANGPTL-3 vaccine treatment could be an effective therapeutic strategy against dyslipidemia and associated diseases. In this study Mouse ANGPTL3 Assay kit is used.
Mouse ANGPTL3 ELISA kit (#27410)

ANGPTL8 inhibitor - the most focused drug development in near future
ANGPTL-8

ANGPTL8 is a lipoprotein regulatory factor that inhibits LPL activity through activation of ANGPTL3 and It has been considered that it becomes a targeted molecule for improving current drug of hyperlipidemia or as a biomarker of metabolic diseases. Learn More: IBL News -Research for Drug Discovery
Human ANGPTL8 ELISA kit (#27795)

Biomarker Candidate for abnormal thyroid gland function
ANGPTL-3, ANGPTL-4 and ANGPTL-8

https://pubmed.ncbi.nlm.nih.gov/31380419/
Recent study suggested ANGPTL3 and ANGPTL8 could be a useful biomarker of abnormal thyroid gland function. ANGPTL4 is also measured but not significant difference among the group.
Human ANGPTL3 (highly sensitive) ELISA Kit (#27750)
Human ANGPTL4 ELISA Kit (#27749)
Human ANGPTL8 ELISA kit (#27795)

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