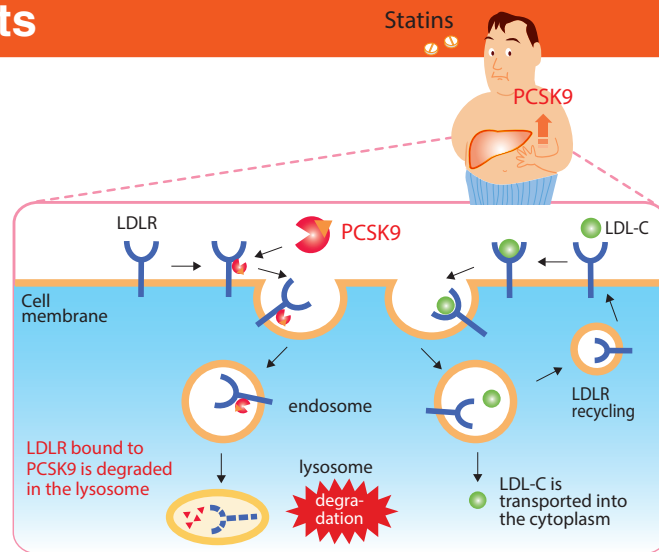


Reagents for lifestyle diseases

PCSK9 ELISA Kit and its related Kits

Proprotein convertase subtilisin kexin 9 (PCSK9)/Neural apoptosis-regulated convertase (NARC-1) is a secretory protein that is mainly expressed in the liver, kidneys, and small intestine that binds directly to LDL receptors, and facilitates degradation of LDL receptors.

In recent years, it has been found that PCSK9 levels in the blood are increased by the administration of hypolipidemic agents such as statins. It has been suggested that if levels of PCSK9, which decomposes LDL receptors, could be reduced or its function could be inhibited while administration of hypolipidemic agents, the drugs would be efficient at low concentrations. PCSK9 is currently a molecule of interest, and therapeutic drugs are being developed that target it.



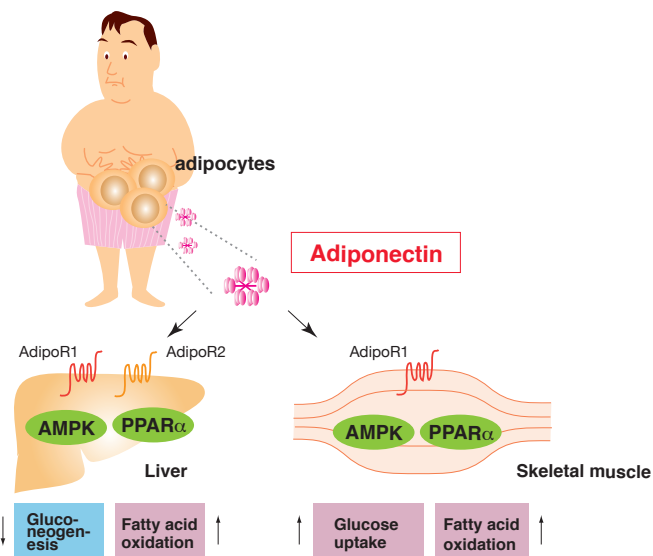
Code	Product	Size
CY-8079	CircuLex Human PCSK9 ELISA Kit	96 assays
CY-8078	CircuLex Mouse/Rat PCSK9 ELISA Kit	96 assays
CY-8150	CircuLex PCSK9-LDLR <i>in vitro</i> Binding Assay Kit	96 assays
CY-8152	CircuLex PCSK9-clAP1 <i>in vitro</i> Binding Assay Kit	96 assays

Adiponectin ELISA Kit

Metabolic syndrome is a state with an increased risk of atherosclerosis, in which obesity is accompanied by diabetes, hyperlipidemia, and hypertension. Adiponectin is known to be a key player in the causes of metabolic syndrome. Adiponectin is a physiologically active adipokine that is secreted by adipocytes, and it has been indicated to be the main "good guy" factor in the promotion of insulin receptor sensitivity.

AdipoR1 and AdipoR2 are known adiponectin receptors, and AdipoR2 expression is particularly prominent in the liver. Via these receptors, adiponectin activates AMPK and PPAR α in various organs, leading to the promotion of fatty acid oxidation and glucose uptake.

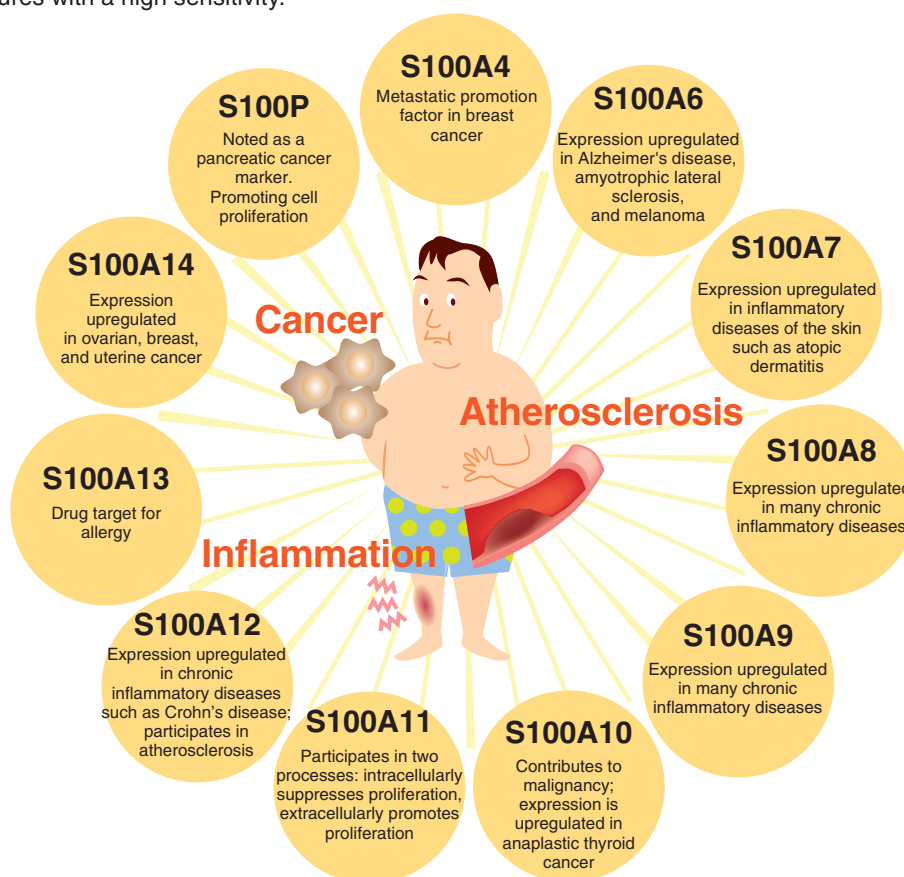
Because adiponectin promotes insulin receptor sensitivity, it may be a useful factor for the amelioration of metabolic syndrome.



Code	Product	Size
CY-8050	CircuLex Human Adiponectin ELISA Kit	96 assays
CY-8051	CircuLex Mouse Adiponectin ELISA Kit	96 assays
CY-8049	CircuLex Rat Adiponectin ELISA Kit	96 assays
CY-8052	CircuLex Dog Adiponectin ELISA Kit	96 assays

Reagents related to S100 proteins

S100 proteins are a family of calcium-binding proteins with 2 EF-hands that are selectively expressed by various cell types; to date, 20 have been identified. They are known not only to participate in intracellular signal transmission, but also to function via extracellular secretion. Proteins in the S100 family perform complicated and diverse functions, but many areas remain unclear. In recent years, an S100 protein was reported as a novel ligand for RAGE, the receptor for the glycoprotein AGE. The CircuLex S100 Protein Detection Kit series consists of reagents that can measure the presence of S100 proteins in samples such as serum and cell cultures with a high sensitivity.



Code	Product	Size
CY-8086	CircuLex S100A4 ELISA Kit Ver.2	96 assays
CY-8097	CircuLex S100A6 ELISA Kit	96 assays
CY-8073	CircuLex S100A7/Psoriasis ELISA Kit	96 assays
CY-8061	CircuLex S100A8/MRP8 ELISA Kit	96 assays
CY-8062	CircuLex S100A9/MRP14 ELISA Kit	96 assays
CY-8095	CircuLex S100A10 ELISA Kit	96 assays
CY-8063	CircuLex S100A11 ELISA Kit	96 assays
CY-8058V2	CircuLex S100A12/EN-RAGE ELISA Kit Ver.2	96 assays
CY-8057	CircuLex S100A13 ELISA Kit	96 assays
CY-8064	CircuLex S100A14 ELISA Kit	96 assays
CY-8060	CircuLex S100P ELISA Kit	96 assays

We also have assortments of S100 Protein-related antibodies and proteins