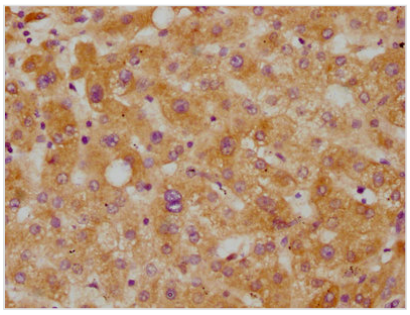
CETP Recombinant Monoclonal Antibody

Product Code	CSB-RA005267A0HU
Abbreviation	Cholesteryl ester transfer protein
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P11597
Immunogen	A synthesized peptide derived from human CETP
Species Reactivity	Human
Tested Applications	ELISA, IHC; Recommended dilution: IHC:1:50-1:200
Relevance	Involved in the transfer of neutral lipids, including cholesteryl ester and triglyceride, among lipoprotein particles. Allows the net movement of cholesteryl ester from high density lipoproteins/HDL to triglyceride-rich very low density lipoproteins/VLDL, and the equimolar transport of triglyceride from VLDL to HDL (PubMed:3600759, PubMed:24293641). Regulates the reverse cholesterol transport, by which excess cholesterol is removed from peripheral tissues and returned to the liver for elimination (PubMed:17237796).
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Alias	Cholesteryl ester transfer protein, Lipid transfer protein I, CETP
Immunogen Species	Homo sapiens (Human)
Research Area	Cardiovascular
Gene Names	CETP
Clone No.	2F1

Image



IHC image of CSB-RA005267A0HU diluted at 1:115 and staining in paraffin-embedded human liver tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4? overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Description

This is a recombinant monoclonal antibody against CETP. It is matched isotype control by rabbit IgG. The cloning of the human CETP DNA gene into the vector and subsequent transfection into the cell line for in vitro expression lead to the production of this CETP antibody. This CETP antibody can recognize human CETP protein. It is purified using affinity-chromatography and is recommended for ELISA and IHC applications.

CETP is an enzyme responsible for moving cholesterol esters and triglycerides between VLDL, LDL, and HDL. It, therefore, plays an important role in blood lipid homeostasis. Plasma CETP results in free cholesterol accumulation on islets, contributing to beta-cell dysfunction. CETP inhibition thus could be a new protective strategy for dyslipidemia associated with diabetes and obesity.