

Anti-Liver Carboxylesterase 1/CES1 Antibody Picoband® (monoclonal, 3F10) Biotin Conjugated

Catalog Number: M01741-1-Biotin

About CES1

Liver carboxylesterase 1 also known as carboxylesterase 1 (CES1, hCE-1 or CES1A1) is an enzyme that in humans is encoded by the CES1 gene. This gene encodes a member of the carboxylesterase large family. The family members are responsible for the hydrolysis or transesterification of various xenobiotics, such as cocaine and heroin, and endogenous substrates with ester, thioester, or amide bonds. They may participate in fatty acyl and cholesterol ester metabolism, and may play a role in the blood-brain barrier system. This enzyme is the major liver enzyme and functions in liver drug clearance. Mutations of this gene cause carboxylesterase 1 deficiency. Three transcript variants encoding three different isoforms have been found for this gene.

Overview

Product Name	Anti-Liver Carboxylesterase 1/CES1 Antibody Picoband® (monoclonal, 3F10) Biotin Conjugated
Reactive Species	Human, Mouse, Rat
Clonality	Monoclonal 3F10
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Mouse
Uniprot ID	P23141

Technical Details

Immunogen	E. coli-derived human Liver Carboxylesterase 1/CES1 recombinant protein (Position: E99-A206).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG2b
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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