Mouse Carboxylesterase 1/CES1 Alexa Fluor® 405-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF7929V
100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Carboxylesterase 1/CES1 in direct ELISAs and Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant mouse CES3 and recombinant human CES1 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Carboxylesterase 1/CES1 His19-Leu565 Accession # Q8VCC2
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Carboxylesterase 1/CES1 (also known as Ses-1 and Liver carboxylesterase 1) is a 60-63 kDa glycoprotein, member of a type-B carboxylesterase/lipase family localized to microsomal membrane and lumen of endoplasmic reticulum. CES1 exists as a homotrimer and homohexamer and is involved in the detoxification of xenobiotics and in the activation of ester and amide prodrugs. CES1 is expressed mostly in liver, and with lower levels found in the lung. Over amino acids (aa) 19-565, mouse CES1 shares 75% aa identity with human CES1.

PRODUCT SPECIFIC NOTICES

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