

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Arylsulfatase B/ARSB in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) ARSA, rhARSJ, or recombinant mouse ARSG is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 708401
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Arylsulfatase B/ARSB Ser37-Met533 Accession # P15848
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.
Immunocytochemistry	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

Arylsulfatase B (ARSB) is a lysosomal enzyme of the sulfatase family that functions as an *N*-acetylgalactosamine-4-sulfatase (1). The enzyme is also active against chondroitin sulfate and dermatan sulfate (2). Deficiencies in ARSB activity are responsible for the lysosomal storage disease mucopolysaccharidosis Type VI, also known as Maroteaux-Lamy Syndrome (3).

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