

Basic Information

Product Name	Anti-ARSA DyLight 488 Conjugated Antibody
Gene Name	ARSA
Source	Mouse
Isotype	IgG2a
Species Reactivity	human
Tested Application	FCM
Contents	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ N.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ARSA (454-482aa QALKQLLLKAQLDAAVTFGPSQVARGED), different from the related mouse sequence by six amino acids.
fluorophores	A _{max} =488nm; E _{max} =515-545nm
Conjugate	DyLight 488
concentration	500ug/ml
Purification	protein G purified.
Dilution Ratios	Flow cytometry (FCM):1-3 µg/1x10 ⁶ cells

Storage

At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.

Background Information

Arylsulfatase A (ARSA) is an enzyme that breaks down sulfatides, namely cerebroside 3-sulfate, intocerebroside and sulfate. In humans, arylsulfatase A is encoded by the ARSA gene. ARSA is mapped to 22q13.33. The protein encoded by this gene hydrolyzes cerebroside sulfate to cerebroside and sulfate. Defects in this gene lead to metachromatic leucodystrophy (MLD), a progressive demyelination disease which results in a variety of neurological symptoms and ultimately death. Alternatively spliced transcript variants have been described for this gene.

Selected Validation Data

Product datasheet

**Anti-ARSA DyLight 488 Conjugated
Antibody**

Catalog Number: M02583-DyI488

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BOSTER BIOLOGICAL TECHNOLOGY

Special NO.1, International Enterprise Center,
2nd Guanshan Road, Wuhan, China

Web: www.boster.com.cn **Phone:** +86 027-67845390 **Fax:** +86 027-67845390 **Email:** boster@boster.com.cn

