

**Anti-Human ARSA DyLight® 488 conjugated Antibody(monoclonal, 4C10)**  
Catalog # ABO14789

**Specification**

**Anti-Human ARSA DyLight® 488 conjugated Antibody(monoclonal, 4C10) - Product Information**

Application	FC
Primary Accession	<a href="#">P15289</a>
Host	Mouse
Isotype	Mouse IgG2a
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-Human ARSA DyLight® 488 conjugated Antibody (monoclonal, 4C10) . Tested in Flow Cytometry applications. This antibody reacts with Human.

**Anti-Human ARSA DyLight® 488 conjugated Antibody(monoclonal, 4C10) - Additional Information**

Gene ID 410

**Other Names**

Arylsulfatase A, ASA, 3.1.6.8, Cerebroside-sulfatase, Arylsulfatase A component B, Arylsulfatase A component C, ARSA

**Application Details**

Flow Cytometry, 1-3 µg/1x10<sup>6</sup> cells

**Subcellular Localization**

Lysosome.

**Contents**

Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na<sub>2</sub>HPO<sub>4</sub>, 0.02% Na<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminus of human ARSA, different from the related mouse sequence by six amino acids.

**Cross Reactivity**

No cross-reactivity with other proteins.

Storage

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

**Anti-Human ARSA DyLight® 488 conjugated Antibody(monoclonal, 4C10) - Protein Information**

**Name** ARSA

**Function**

Hydrolyzes cerebroside sulfate.

**Cellular Location**

Endoplasmic reticulum. Lysosome

**Anti-Human ARSA DyLight® 488 conjugated Antibody(monoclonal, 4C10) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-Human ARSA DyLight® 488 conjugated Antibody(monoclonal, 4C10) - Images**

**Anti-Human ARSA DyLight® 488 conjugated Antibody(monoclonal, 4C10) - Background**

Arylsulfatase A (ARSA) is an enzyme that breaks down sulfatides, namely cerebroside 3-sulfate into cerebroside 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.