

**Anti-Human Stefin B DyLight® 488 conjugated CSTB Antibody(monoclonal, 2B6)**  
**Catalog # ABO14797****Specification****Anti-Human Stefin B DyLight® 488 conjugated CSTB Antibody(monoclonal, 2B6) - Product Information**

Application	FC
Primary Accession	<a href="#">P04080</a>
Host	Mouse
Isotype	Mouse IgG1
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-Human Stefin B DyLight® 488 conjugated CSTB Antibody (monoclonal, 2B6) . Tested in Flow Cytometry applications. This antibody reacts with Human.

**Anti-Human Stefin B DyLight® 488 conjugated CSTB Antibody(monoclonal, 2B6) - Additional Information**

**Gene ID** 1476

**Other Names**

Cystatin-B, CPI-B, Liver thiol proteinase inhibitor, Stefin-B, CSTB, CST6, STFB

**Application Details**

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

**Subcellular Localization**

Cytoplasm.

**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>N.

**Immunogen**

E. coli-derived human Stefin B recombinant protein (Position: M1-F98). Human Stefin B shares 78.6 % amino acid (aa) sequence identity with both mouse and rat Stefin B.

**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 Stefin B DyLight® 488 conjugated CSTB Antibody(monoclonal, 2B6) - Protein Information**

**Name** CSTB

**Synonyms** CST6, STFB

**Function**

This is an intracellular thiol proteinase inhibitor. Tightly binding reversible inhibitor of cathepsins L, H and B.

**Cellular Location**

Cytoplasm. Nucleus

**Anti-Human Stefin B DyLight® 488 conjugated CSTB Antibody(monoclonal, 2B6) - 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 Stefin B DyLight® 488 conjugated CSTB Antibody(monoclonal, 2B6) - Images**

**Anti-Human Stefin B DyLight® 488 conjugated CSTB Antibody(monoclonal, 2B6) - Background**

Cystatin B (CSTB), also called STFB, is a small protein that is a member of the superfamily of cysteine protease inhibitors. It has been isolated from human spleen and liver and its amino acid sequence has been fully determined. The cystatin B gene is located on 21q22.3. It is widely distributed and is localized mostly intracellularly, but has been found extracellularly. The protein is able to form a dimer stabilized by noncovalent forces, inhibiting papain and cathepsins L, H and B. Its role is thought to be as a protector against the proteinases leaking from lysosomes. A cystatin B multiprotein complex might have a specific cerebellar function, and that the loss of this function might contribute to the etiopathogenesis of EPM1. Upon differentiation to myotubes, CSTB becomes excluded from the nucleus and lysosomes, suggesting that the subcellular distribution of CSTB is dependent on the differentiation status of the cell.