

**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	P04080
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/1x10⁶ cells

Subcellular Localization

Cytoplasm.

Contents

Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na₂HPO₄, 0.02% Na₃N.

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.