

## Product datasheet

# Anti-CD5 antibody [C5/473 + CD5/54/F6] - BSA and Azide free ab213004

1 Image

### Overview

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-CD5 antibody [C5/473 + CD5/54/F6] - BSA and Azide free   |
| <b>Description</b>         | Mouse monoclonal [C5/473 + CD5/54/F6] to CD5 - BSA and Azide free   |
| <b>Host species</b>        | Mouse   |
| <b>Specificity</b>         | <b>ab200697</b> does not react with granulocytes or monocytes.  |
| <b>Tested applications</b> | <b>Suitable for:</b> IHC-P  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human   |
| <b>Immunogen</b>           | Recombinant fragment corresponding to Human CD5. Clone C5/473<br>Database link: <b>P06127</b>   |
| <b>Positive control</b>    | 293T, Ramos, or MOLT4 cells; Human tonsil tissue.   |
| <b>General notes</b>       | ab213004 is a carrier free version of <b>ab200697</b> . Anti-CD5 detection is diagnostic in CLL/SLL within a panel of other B-cell markers, especially one that includes anti-CD23. Anti-CD5 is also very useful in differentiating among mature small lymphoid cell malignancies. In addition, anti-CD5 can be used in distinguishing thymic carcinoma (+) from thymoma (-). |

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Please note that this antibody is an oligoclonal antibody. It is a cocktail of monoclonal antibodies

that have been carefully selected. Oligoclonal antibodies have not only the specificity and batch-to-batch consistency of a monoclonal antibody, but also have the advantage of the sensitivity of a polyclonal antibody due to their ability to recognize multiple epitopes on an antigen.

## Properties

|                             |   |
|-----------------------------|---|
| <b>Form</b>                 | Liquid  |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| <b>Storage buffer</b>       | pH: 7.2<br>Constituent: PBS   |
| <b>Carrier free</b>         | Yes   |
| <b>Purity</b>               | Protein A/G purified  |
| <b>Purification notes</b>   | <b>ab2697</b> was purified from Bioreactor Concentrate.   |
| <b>Clonality</b>            | Monoclonal  |
| <b>Clone number</b>         | C5/473 + CD5/54/F6  |
| <b>Isotype</b>              | IgG1  |

## Applications

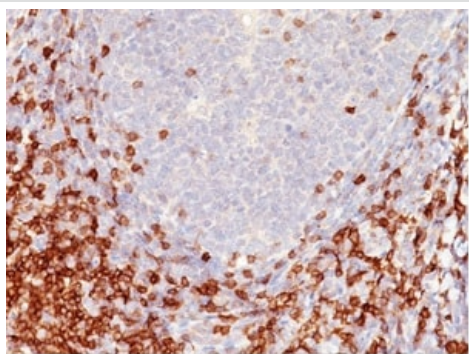
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab213004 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes  |
|-------------|-----------|--|
| IHC-P       |           | Use a concentration of 0.5 - 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.<br>for 30 minutes at RT |

## Target

|                              |  |
|------------------------------|--|
| <b>Function</b>              | May act as a receptor in regulating T-cell proliferation. CD5 interacts with CD72/LYB-2. |
| <b>Sequence similarities</b> | Contains 3 SRCR domains.   |
| <b>Cellular localization</b> | Membrane.  |

## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD5 antibody [C5/473 + CD5/54/F6] - BSA and Azide free (ab213004)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human tonsil tissue labeling CD5 with [ab200697](#) at 1 µg/ml.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab200697](#)).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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