

Anti-TCR V beta 5 antibody [MEM-262] ab1898

3 References

Overview

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| Product name | Anti-TCR V beta 5 antibody [MEM-262] |
| Description | Mouse monoclonal [MEM-262] to TCR V beta 5 |
| Host species | Mouse |
| Specificity | The antibody recognizes beta chains of the TCR expressed by HPB-ALL cell line [carrying V(beta5.3)] and a small subset of peripheral blood T cells. This subset is larger than that recognized by other V(beta5.3)-specific antibodies. |
| Tested applications | Suitable for: Flow Cyt, IP, WB |
| Species reactivity | Reacts with: Human |
| Immunogen | Tissue, cells or virus. This information is proprietary to Abcam and/or its suppliers. |
| General notes | <p>Functional Application Activates T cells (V beta 5-related subset).</p> <p>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.</p> <p>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</p> |

Properties

| | |
|-----------------------------|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| Storage buffer | pH: 7.40 Preservative: 0.097% Sodium azide Constituent: PBS |
| Purity | Protein A purified |
| Purification notes | Purified from hybridoma culture supernatant. Purity >95% by SDS-PAGE. |
| Clonality | Monoclonal |
| Clone number | MEM-262 |

Isotype

IgG2a

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab1898 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 |
|-------------|-----------|--|
| Flow Cyt | | Use at an assay dependent concentration. |
| IP | | Use at an assay dependent concentration. |
| WB | | Use at an assay dependent concentration. |

Target

Relevance

T cell receptors recognize foreign antigens which have been processed as small peptides and bound to major histocompatibility complex (MHC) molecules at the surface of antigen presenting cells (APC). Each T cell receptor is a dimer consisting of one alpha and one beta chain or one delta and one gamma chain. The beta locus includes V (variable), J (joining), diversity (D), and C (constant) segments. The V β 5 TCR is a variant of the TCR β chain. It belongs to Ig superfamily and is expressed by a subset of peripheral blood T cells and some T cell clones. TCR V β 5 has been reported to recognize some staphylococcus bacterial superantigens.

Cellular localization

Cell Membrane

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