

# anti-Human Tregalizumab Monoclonal Antibody | anti-CD4 antibody

Research Grade Tregalizumab

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|-------------------------------|----------------------------|
| CATALOG #<br><b>AAA119992</b> | REACTIVITY<br><b>Human</b> |
|-------------------------------|----------------------------|

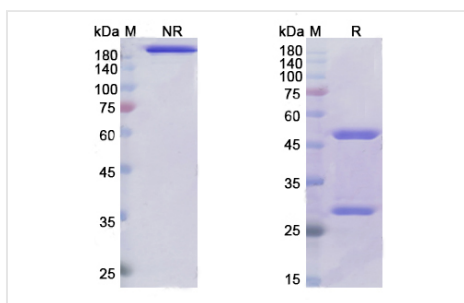
## PRODUCT SYNONYMS

Tregalizumab; Monoclonal Antibody; Research Grade Tregalizumab; BT-061; hB-F5; hBF5(H37L\_L4M); T-cell surface antigen T4/Leu-3; T-cell surface glycoprotein CD4; CD4; anti-CD4 antibody

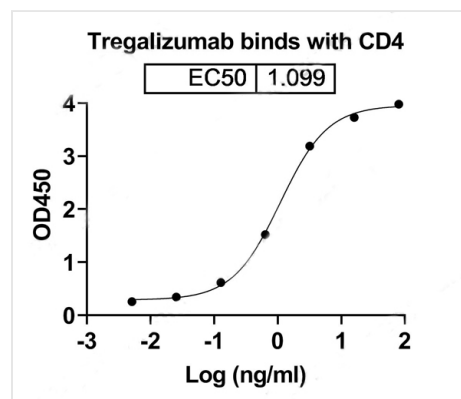
## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                              |
| Clonality               | Monoclonal                                                                                                                                                                         |
| Isotype                 | IgG1-kappa                                                                                                                                                                         |
| Purity/Purification     | >95%; Protein A or G purified from cell culture supernatant.                                                                                                                       |
| Form/Format             | Liquid. PBS buffer, pH7.4                                                                                                                                                          |
| Concentration           | 1mg/ml (varies by lot)                                                                                                                                                             |
| Host Species            | Humanized                                                                                                                                                                          |
| CAS                     | 1207446-68-1                                                                                                                                                                       |
| Preparation and Storage | Store at +4 degree C short term (1-2 weeks). Store at -20 degree C 12 months. Store at -80 degree C long term. Use a manual defrost freezer and avoid repeated freeze-thaw cycles. |

## IMAGES



SDS-PAGE  
SDS PAGE for Tregalizumab



Bioactivity  
Detects Human CD4 in direct ELISAs.

## ADDITIONAL INFORMATION

|                                                 |                     |
|-------------------------------------------------|---------------------|
| Product Categories/Family for anti-CD4 antibody | Research Biosimilar |
|-------------------------------------------------|---------------------|

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| References | <p>Efficacy of pharmacological treatment in rheumatoid arthritis: a systematic literature research informing the 2019 update of the EULAR recommendations for management of rheumatoid arthritis, PMID: 32033937</p> <p>Efficacy and safety of tregalizumab in patients with rheumatoid arthritis and an inadequate response to methotrexate: results of a phase IIb, randomised, placebo-controlled trial, PMID: 29343509</p> <p>High thioredoxin-1 levels in rheumatoid arthritis patients diminish binding and signalling of the monoclonal antibody Tregalizumab, PMID: 28090323</p> <p>A specific CD4 epitope bound by tregalizumab mediates activation of regulatory T cells by a unique signaling pathway, PMID: 25512343</p> <p>Tregalizumab (BT-061) increases regulatory T cell function. Boosting regulatory T-cell function with the humanized CD4-specific humanized monoclonal antibody Tregalizumab (BT-061), PMID: 25666094</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 10835167                                                                                          |
| NCBI GeneID                      | 920                                                                                               |
| NCBI Accession #                 | NP_000607.1                                                                                       |
| NCBI GenBank Nucleotide #        | NM_000616.4                                                                                       |
| UniProt Accession #              | P01730; Q4ZGK2; Q5U066; Q9UDE5; B2R737; D3DUS5                                                    |
| Molecular Weight                 | 51,111 Da                                                                                         |
| NCBI Official Full Name          | T-cell surface glycoprotein CD4 isoform 1                                                         |
| NCBI Official Synonym Full Names | CD4 molecule                                                                                      |
| NCBI Official Symbol             | CD4                                                                                               |
| NCBI Official Synonym Symbols    | CD4mut                                                                                            |
| NCBI Protein Information         | T-cell surface glycoprotein CD4; CD4 receptor; CD4 antigen (p55); T-cell surface antigen T4/Leu-3 |
| UniProt Protein Name             | T-cell surface glycoprotein CD4                                                                   |
| UniProt Gene Name                | CD4                                                                                               |
| UniProt Entry Name               | CD4_HUMAN                                                                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.