

Datasheet: HCA211

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| Description: | HUMAN ANTI USTEKINUMAB |
| Specificity: | USTEKINUMAB |
| Other names: | Stelara® |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | AbD17829_hlgG1 |
| Isotype: | IgG1 |
| Quantity: | 0.1 mg |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|-------|-----|----|----------------|--------------------|
| ELISA | ■ | | | |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

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| Product Form | Human IgG1 antibody selected from the HuCAL phage display library and expressed in a human cell line. This antibody is supplied as a liquid. |
| Preparation | Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant |
| Source | HKB-11 |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) |
| Approx. Protein Concentrations | Antibody concentration 0.5 mg/ml |
| Immunogen | Ustekinumab |

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|--------------------------------------|---|
| Specificity | <p>Human Anti-Ustekinumab Antibody, clone AbD17829_hlgG1 is a paratope specific, anti-idiotypic antibody that specifically recognizes the monoclonal antibody drug ustekinumab and inhibits binding to its target.</p> <p>Clone AbD17827_hlgG1 is a fully human recombinant monoclonal antibody with IgG1 isotype and is suitable as a surrogate positive control or calibrator in an anti-drug antibody (ADA) assay.</p> <p>Ustekinumab (Stelara) is a fully human monoclonal antibody drug (IgG1/kappa) that has been approved in US, Canada, and Europe for the treatment of plaque psoriasis and psoriatic arthritis. The FDA approved the medication for the treatment of moderate-severe Crohn's disease in 2016. The drug blocks interleukin IL-12 and IL-23 by binding with high affinity and specificity to the p40 subunit, preventing the binding of these two cytokines to T-lymphocytes, and thereby disrupting the proinflammatory pathway.</p> <p>View a summary of all anti-ustekinumab antibodies</p> |
| Affinity | <p>The monovalent intrinsic affinity of AbD17829 is $K_D = 2.8$ nM as measured by real time, label free molecular interaction analysis on immobilized ustekinumab.</p> |
| ELISA | <p>This product may be used in an indirect ELISA or as a detection antibody when conjugated to HRP in a bridging ELISA together with AbD18334 (HCA209) as the capture reagent. Conjugation of this antibody to HRP can be undertaken using a Lynx Rapid HRP conjugation kit, these kits may be purchased from Bio-Rad.</p> <p>Protocol: PK bridging ELISA to measure free drug.</p> |
| Storage | <p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted.</p> |
| Guarantee | <p>12 months from date of despatch</p> |
| Acknowledgements | <p>This product and/or its use is covered by claims of U.S. patents, and/or pending U.S. and non-U.S. patent applications owned by or under license to Bio-Rad Laboratories, Inc. See bio-rad.com/en-us/trademarks for details.</p> |
| Health And Safety Information | <p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/HCA211</p> <p>10040</p> |
| Licensed Use | <p>For <i>in vitro</i> research purposes and for commercial applications for the provision of <i>in vitro</i> testing services to support preclinical and clinical drug development. Any re-sale in any form or any other commercial application needs a written agreement with Bio-Rad.</p> |
| Regulatory | <p>For research purposes only</p> |
| Technical Advice | <p>Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the HuCAL Antibodies Technical Manual.</p> |

Related Products

Recommended Useful Reagents

[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK001P\)](#)

[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK002P\)](#)

[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK003P\)](#)

[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK004P\)](#)

[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK005P\)](#)

[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK006P\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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