

Datasheet: HCA211

BATCH NUMBER 152019

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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 |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.01% Thiomersal |
| Approx. Protein Concentrations | Antibody concentration 0.5 mg/ml |
| Immunogen | Ustekinumab |

| | |
|--------------------------------------|---|
| Specificity | <p>Human Anti-Ustekinumab Antibody, clone AbD17829_hIgG1 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_hIgG1 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 | The monovalent intrinsic affinity of AbD17829 was measured as $K_D = 2.8$ nM by real time, label free molecular interaction analysis on immobilized ustekinumab. |
| 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> <p>Protocol: ADA bridging ELISA</p> |
| Storage | <p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p> |
| Guarantee | 12 months from date of despatch |
| Acknowledgements | Sold under license of U.S. Patents 6753136, 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad, Zeppelinstr. 4, 82178 Puchheim, Germany. |
| Health And Safety Information | <p>Material Safety Datasheet documentation #10094 available at: https://www.bio-rad-antibodies.com/SDS/HCA211</p> <p>10094</p> |
| Licensed Use | For in vitro research purposes and for commercial applications for the provision of in vitro 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. |
| Regulatory | For research purposes only |

Technical Advice Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the [HuCAL Antibodies Technical Manual](#)

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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