

Datasheet: HCA211

BATCH NUMBER 154539

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.

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	<p>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.</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> <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	<p>12 months from date of despatch</p>
Acknowledgements	<p>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.</p>
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	<p>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.</p>
Regulatory	<p>For research purposes only</p>

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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