

Anti-BD-3 antibody ab109572

Overview

Product name	Anti-BD-3 antibody
Description	Rabbit polyclonal to BD-3
Host species	Rabbit
Tested applications	Suitable for: Sandwich ELISA, WB, Indirect ELISA
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein corresponding to Human BD-3.
General notes	<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	Lyophilized:Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml.
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Constituent: PBS
Purity	Immunogen affinity purified
Purification notes	ab109572 was purified by affinity chromatography employing immobilized BD-3 matrix. It is a sterile filtered antibody solution.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab109572 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
Sandwich ELISA		Use at an assay dependent concentration. Can be paired for Sandwich ELISA with Biotin Rabbit polyclonal to BD-3 (ab84234) . (using 100 Åµl/well antibody solution). ab109572, in conjunction with ab84234 as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant Human beta Defensin 3.
WB		Use at an assay dependent concentration. Predicted molecular weight: 8 kDa. Used in conjunction with compatible secondary reagents the detection limit for ab109571 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
Indirect ELISA		Use at an assay dependent concentration. (using 100 Åµl/well antibody solution). ab109572, in conjunction with compatible secondary reagents, allows the detection of at least 0.2 - 0.4 ng/well of recombinant Human beta Defensin 3.

Target

Function	Exhibits antimicrobial activity against Gram-positive bacteria S.aureus and S.pyogenes, Gram-negative bacteria P.aeruginosa and E.coli and the yeast C.albicans. Kills multiresistant S.aureus and vancomycin-resistant E.faecium. No significant hemolytic activity was observed.
Tissue specificity	Highly expressed in skin and tonsils, and to a lesser extent in trachea, uterus, kidney, thymus, adenoid, pharynx and tongue. Low expression in salivary gland, bone marrow, colon, stomach, polyp and larynx. No expression in small intestine.
Sequence similarities	Belongs to the beta-defensin family.
Cellular localization	Secreted.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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