

Product datasheet

Anti-CXCL7/PBP antibody [EPR19780-19] ab222542

Recombinant **RabMAb**

[2 Images](#)

Overview

Product name	Anti-CXCL7/PBP antibody [EPR19780-19]
Description	Rabbit monoclonal [EPR19780-19] to CXCL7/PBP
Host species	Rabbit
Tested applications	Suitable for: Sandwich ELISA
Species reactivity	Reacts with: Human
Immunogen	The details of the immunogen for this antibody are not available.
General notes	<p>Anti-CXCL7 / PBP antibody (ab222542) is used in our 90-minute ELISA kit, Human CXCL7 ELISA kit (ab216171), and available in the matched pair kit (ab219537).</p> <p>Previously labelled as CXCL7.</p> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR19780-19
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab222542** in the following tested applications.

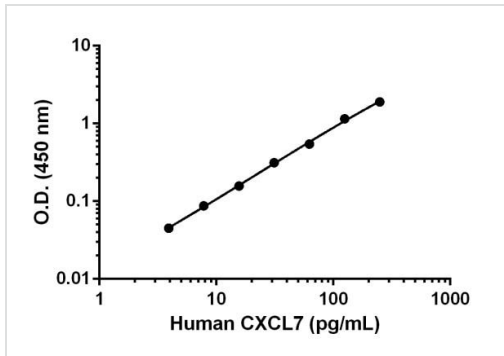
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Sandwich ELISA		Use at an assay dependent concentration.

Target

Function	LA-PF4 stimulates DNA synthesis, mitosis, glycolysis, intracellular cAMP accumulation, prostaglandin E2 secretion, and synthesis of hyaluronic acid and sulfated glycosaminoglycan. It also stimulates the formation and secretion of plasminogen activator by human synovial cells. NAP-2 is a ligand for CXCR1 and CXCR2, and NAP-2, NAP-2(73), NAP-2(74), NAP-2(1-66), and most potent NAP-2(1-63) are chemoattractants and activators for neutrophils. TC-1 and TC-2 are antibacterial proteins, in vitro released from activated platelet alpha-granules. CTAP-III(1-81) is more potent than CTAP-III desensitize chemokine-induced neutrophil activation.
Sequence similarities	Belongs to the intercrine alpha (chemokine CxC) family.
Post-translational modifications	Proteolytic removal of residues 1-9 produces the active peptide connective tissue-activating peptide III (CTAP-III) (low-affinity platelet factor IV (LA-PF4)). Proteolytic removal of residues 1-13 produces the active peptide beta-thromboglobulin, which is released from platelets along with platelet factor 4 and platelet-derived growth factor. NAP-2(1-66) is produced by proteolytical processing, probably after secretion by leukocytes other than neutrophils. NAP-2(73) and NAP-2(74) seem not be produced by proteolytical processing of secreted precursors but are released in an active form from platelets.
Cellular localization	Secreted.

Images







Sandwich ELISA - Anti-CXCL7/PBP antibody
[EPR19780-19] (ab222542)

Example of human CXCL7/PBP standard curve in 1X Cell Extraction Buffer PTR using recombinant CXCL7/PBP RabMAb antibody (ab222542) and a recombinant monoclonal antibody. Background-subtracted values (mean +/- SD) are graphed.

For a complete ELISA kit, see human CXCL7 ELISA kit ([ab216171](#)).

For a matched antibody pair set, see human CXCL7 Matched Antibody Pair Kit ([ab219537](#)).

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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(ab222542)

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

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