

Product datasheet

Anti-Osteopontin antibody ab11503

★★★★★ 1 Abreviews 10 References

Overview

Product name	Anti-Osteopontin antibody
Description	Goat polyclonal to Osteopontin
Host species	Goat
Tested applications	Suitable for: Indirect ELISA, ICC/IF, Blocking, IHC-Fr, WB, Neutralising
Species reactivity	Reacts with: Mouse, Rat
Immunogen	Recombinant full length protein (Mouse) expressed in NSO cells.
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	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Constituents: PBS, 5% Trehalose
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab11503 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
Indirect ELISA		Use at an assay dependent concentration.
ICC/IF	★★★★☆ (1)	Use at an assay dependent concentration.
Blocking		Use at an assay dependent concentration. Blocks osteopontin in smooth muscle cell samples.
IHC-Fr		Use at an assay dependent concentration. PubMed: 17224478
WB		Use at an assay dependent concentration.
Neutralising		Use at an assay dependent concentration. The Neutralization Dose50 (ND50) for anti-mouse osteopontin is approximately 1 to 3 Åµg/ml in the presence of 2 Åµg/ml of recombinant mouse osteopontin using 293 cells.

Target

Function	Binds tightly to hydroxyapatite. Appears to form an integral part of the mineralized matrix. Probably important to cell-matrix interaction. Acts as a cytokine involved in enhancing production of interferon-gamma and interleukin-12 and reducing production of interleukin-10 and is essential in the pathway that leads to type I immunity.
Tissue specificity	Bone. Found in plasma.
Sequence similarities	Belongs to the osteopontin family.
Post-translational modifications	Extensively phosphorylated on clustered serine residues. N- and O-glycosylated. Phosphorylation sites are present in the extracellular medium.
Cellular localization	Secreted.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors