

### Anti-HRP antibody [2H11] ab10183

#### 10 References

#### Overview

<b>Product name</b>	Anti-HRP antibody [2H11]
<b>Description</b>	Mouse monoclonal [2H11] to HRP
<b>Host species</b>	Mouse
<b>Specificity</b>	Horseradish peroxidase isoforms with pI from 3.5 to 9.5. ab10183 does not influence enzymatic activity upon immune complex formation.
<b>Tested applications</b>	<b>Suitable for:</b> ELISA, IHC-Fr, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Horseradish
<b>Immunogen</b>	Full length native protein (purified) corresponding to HRP.
<b>General notes</b>	<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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	<p>pH: 7.40</p> <p>Preservative: 0.1% Sodium azide</p> <p>Constituent: PBS</p>
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Purified by chromatography on protein A Sepharose. Purity is tested by electrophoresis.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	2H11
<b>Myeloma</b>	Sp2/0
<b>Isotype</b>	IgG2b

## Applications

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### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab10183 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
ELISA		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration.

## Target

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### Relevance

Horseradish Peroxidase (HRP) is an enzyme commonly used as an indicator for chemical reactions which produce peroxide. The enzyme is routinely conjugated to antibodies for use in enzyme-based immunoassay systems. HRP functions in the removal of H<sub>2</sub>O<sub>2</sub> (hydrogen peroxide), oxidation of toxic reductants, biosynthesis and degradation of lignin, suberization, auxin catabolism, response to environmental stresses such as wounding, pathogen attack and oxidative stress. These functions might be dependent on each isozyme/isoform in each plant tissue.

### Cellular localization

Secreted Probable. Vacuole Probable. Note: Carboxy-terminal extension appears to target the protein to vacuoles.

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

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