

## Product datasheet

# Anti-Human IgM Fc fragment antibody [CH2] ab772

### Overview

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<b>Product name</b>	Anti-Human IgM Fc fragment antibody [CH2]
<b>Description</b>	Mouse monoclonal [CH2] to Human IgM Fc fragment
<b>Specificity</b>	This antibody reacts with Fc fragment of human IgM. Specificity was confirmed by Western blotting analysis of purified human IgM, under reducing conditions, and also by immunofluorescence staining of Daudi cells
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, Flow Cyt, WB, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Full length native protein (purified) (Human).

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	Preservative: 15mM Sodium Azide Constituents: PBS, pH 7.4
<b>Purity</b>	>95% by SDS-PAGE
<b>Purification notes</b>	Purified from ascites by DEAE chromatography and precipitation methods.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	CH2
<b>Myeloma</b>	unknown
<b>Isotype</b>	IgG1
<b>Light chain type</b>	unknown

### Applications

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Our [Abpromise guarantee](#) covers the use of **ab772** 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
ICC/IF		
Flow Cyt		
WB		
ELISA		

#### Application notes

ELISA: Use at an assay dependant concentration.  
 Flow Cyt: Use at an assay dependant concentration.  
 IF: Use at an assay dependant concentration.  
 WB: Use at an assay dependant concentration.  
 This antibody blocks binding of standard antibody to Fc fragment of human IgM and does not block binding of standard antibody to Fab fragment of human IgM.

Not tested in other applications.  
 Optimal dilutions/concentrations should be determined by the end user.

#### Target

#### Relevance

Immunoglobulin M (IgM) is produced as a 900 kDa pentamer, which is an efficient complement binder. This antibody type is produced initially in the immune response and it is the first immunoglobulin class to be synthesized by a fetus or newborn. IgM antibodies do not cross the placenta. IgM concentration in blood is 0.12 g/l and its biological survival (plasma T1/2) is 5 days.

#### Cellular localization

Cell Membrane and Secreted

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