

## Product datasheet

### Anti-ULBP2 antibody [MM0593-7F33] ab89930

#### 3 References

#### Overview

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<b>Product name</b>	Anti-ULBP2 antibody [MM0593-7F33]
<b>Description</b>	Mouse monoclonal [MM0593-7F33] to ULBP2
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt, Neutralising
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant Human ULBP2 protein
<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

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Constituent: PBS
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	The IgG fraction of culture supernatant was purified by Protein G affinity chromatography and filtered through a 0.2 µm filter.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	MM0593-7F33
<b>Isotype</b>	IgG2a

#### Applications

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The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab89930 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
Flow Cyt		Use at an assay dependent concentration. <b>ab170191</b> - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
Neutralising		Use at an assay dependent concentration.

## Target

<b>Function</b>	Ligand for the NKG2D receptor, together with at least ULBP1 and ULBP3. ULBPs activate multiple signaling pathways in primary NK cells, resulting in the production of cytokines and chemokines. Binding of ULBPs ligands to NKG2D induces calcium mobilization and activation of the JAK2, STAT5, ERK and PI3K kinase/Akt signal transduction pathway. In CMV infected cells, interacts with soluble CMV glycoprotein UL16. The interaction with UL16 blocked the interaction with the NKG2D receptor, providing a mechanism by which CMV infected cells might escape the immune system. UL16 also causes ULBP2 to be retained in the ER and cis-Golgi apparatus so that it does not reach the cell surface.
<b>Tissue specificity</b>	Expressed in various types of cancer cell lines and in the fetus, but not in normal tissues.
<b>Sequence similarities</b>	Belongs to the MHC class I family.
<b>Cellular localization</b>	Cell membrane. Secreted.

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

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