abcam

Product datasheet

PE Anti-HLA Class I antibody [MEM-147] ab52451

Overview

Product name	PE Anti-HLA Class I antibody [MEM-147]
Description	PE Mouse monoclonal [MEM-147] to HLA Class I
Host species	Mouse
Conjugation	PE. Ex: 488nm, Em: 575nm
Specificity	**ab5451** recognises all human classical MHC Class I molecules in native cell-surface forms (e.g. it recognizes native HLA-A2 in cytofluorometry and immunoprecipitation but not in Western blotting). MHC Class I molecules (MHC Class Ia) are expressed on the surface of all human cell types. ab52451 is positive in Western blotting (non-reducing conditions) only with most HLA-B and HLA-C molecules, but not HLA-A.
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** Human
Immunogen	Tissue, cells or virus corresponding to Human HLA Class I. PHA-activated peripheral blood lymphocytes
General notes	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.
	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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.4 Preservative: 0.097% Sodium azide Constituent: 0.2% BSA
	BSA (high-grade protease free),
Purity	Protein G purified
Purification notes	ab52451 was purified by Protein G prior to conjugation. After conjugation, it was purified by site

exclusion chromatography. Purity >95% by SDS-PAGE.

Clonality	Monoclonal
Clone number	MEM-147
Isotype	IgG1

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab52451 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. **ab91357** - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Relevance	HLA CLass I is involved in the presentation of foreign antigens to the immune system.
Cellular localization	Plasma membrane

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

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