



Datasheet for ABIN118899
anti-HLA-ABC antibody



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Overview

Quantity:	0.5 mg
Target:	HLA-ABC
Reactivity:	Human, Cow, Baboon, Cat, Monkey, Macaque, Primate, Chimpanzee
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HLA-ABC antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (IF), Functional Studies (Func), Enzyme Immunoassay (EIA), DNA Microscopy (DNA Mic)

Product Details

Immunogen:	Purified Human tonsil lymphocyte membranes. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1/1-Ag4.1 myeloma cell line
Clone:	W6-32
Isotype:	IgG2a
Purification:	Affinity Chromatography on Protein G
Endotoxin Level:	Less than 0.01 EU/μg

Target Details

Target:	HLA-ABC
Alternative Name:	HLA Class I ABC (HLA-ABC Products)

Target Details

Background:	Synonyms: HLA Class 2 ABC, Human Leukocyte antigen class I ABC, MHC class I ABC, Major Histocompatibility complex class I
Pathways:	TCR Signaling , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Cancer Immune Checkpoints

Application Details

Application Notes:	<p>This product is routinely tested in flow cytometry on human peripheral blood lymphocytes: Use 10 µL of 1/50 - 1/100 diluted antibody to label 10⁶ cells in 100 µL. Immunohistochemistry on frozen sections (see Ref 6, Tonsil is useful as positive control). Not suitable for Immunohistochemistry on paraffin sections. Immunoprecipitation (Ref 1). ELISA.</p> <p>Other applications not tested.</p> <p>Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	PBS without preservatives or stabilizers.
Preservative:	Without preservative
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody prior to reconstitution at -20 °C. Following reconstitution the antibody can be stored at 2-8 °C for one month or at -20 °C for longer.

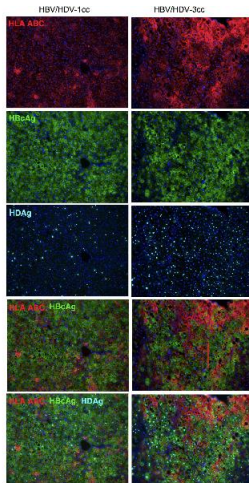
Publications

Product cited in:	<p>Giersch, Hermanussen, Volz, Volmari, Allweiss, Sureau, Casey, Huang, Fischer, Lütgehetmann, Dandri: "Strong Replication Interference Between Hepatitis Delta Viruses in Human Liver Chimeric Mice." in: Frontiers in microbiology, Vol. 12, pp. 671466, (2021) (PubMed).</p> <p>Stern, Goldman, Hatasaka, Mackenzie, Surrey, Racowsky.: "Optimizing the number of cleavage stage embryos to transfer on day 3 in women 38 years of age and older: a Society for Assisted Reproductive Technology database study." in: Fertility and sterility, (2008) (PubMed).</p>
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Mayr, Bund, Schlee, Moosmann, Kofler, Hallek, Wendtner: "Fibromodulin as a novel tumor-associated antigen (TAA) in chronic lymphocytic leukemia (CLL), which allows expansion of specific CD8+ autologous T lymphocytes." in: **Blood**, Vol. 105, Issue 4, pp. 1566-73, (2005) ([PubMed](#)).

Mayr, Kofler, Büning, Bund, Hallek, Wendtner: "Transduction of CLL cells by CD40 ligand enhances an antigen-specific immune recognition by autologous T cells." in: **Blood**, Vol. 106, Issue 9, pp. 3223-6, (2005) ([PubMed](#)).

Images



Immunofluorescence

Image 1. Intrahepatic HLA ABC expression. Immunofluorescence staining of human HLA ABC (red), HBcAg (green), HDAg (turquoise) and overlays of HLA ABC with HBcAg or with HBcAg and HDAg in HBV/HDV-1cc (left) and HBV/HDV-3cc (right) co-infected mice at the end of the experiment. Nuclei are stained with Hoechst 33258 (blue). Source: PMID34305837

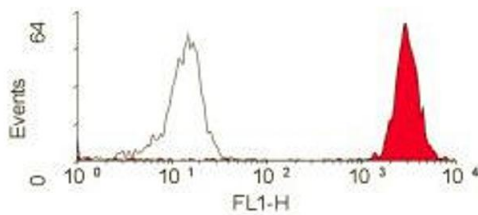


Image 2.

Staining of peripheral blood lymphocytes with anti-HLA-ABC: Endotoxin low (ABIN118899).