

Mouse CD178 Monoclonal Antibody | anti-CD178 antibody

MOUSE ANTI HUMAN CD178

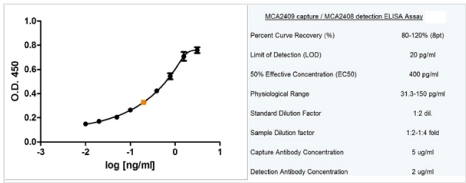
CATALOG # AAA11961	HOST Mouse	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Immunoprecipitation
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PRODUCT SYNONYMS

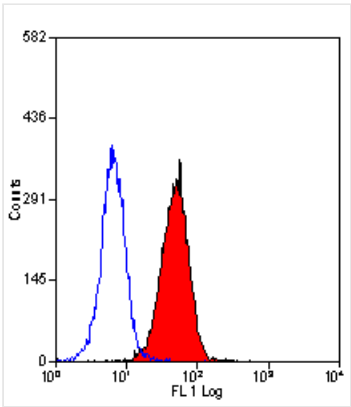
CD178; Monoclonal Antibody; MOUSE ANTI HUMAN CD178; anti-CD178 antibody

PRODUCT SPECIFICATIONS

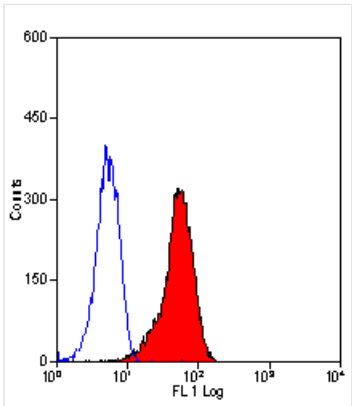
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	14C2
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	281
Applicable Applications for anti-CD178 antibody	ELISA, FCM/FACS (Flow Cytometry), IP (Immunoprecipitation)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul. Flow Cytometry: Minimum Dilution: 1/25; Maximum Dilution: 1/50; Application Note: Results maybe enhanced using membrane permeabilisation. We recommends the use of Leucoperm™) prior to staining.
Perservative Stabilisers	0.09% Sodium Azide Preparation
Buffer Solution	Phosphate buffered saline
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.



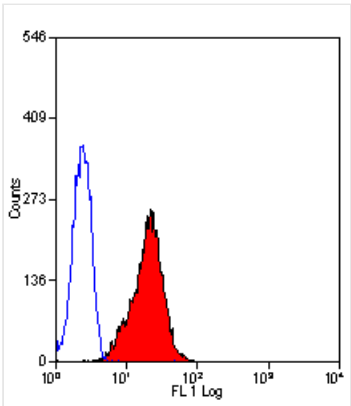
Application Data
Sandwich ELISA analysis of CD178 binding using Mouse anti Human CD178 as a capture reagent and biotinylated Mouse anti Human CD178 as a detection reagent with purified human CD178 as antigen for the generation of a standard curve. Detection is by HRP conjugated Streptavidin and substrate. Microtitre plate is read at O.D. 450 nm on the iMark Microplate Absorbance Reader . Plasma (orange) sample is displayed at 1:2 dilution.



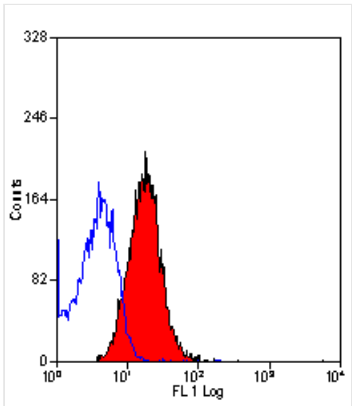
Application Data
Staining of permeabilised Jurkat cells with Mouse anti Human CD178:RPE



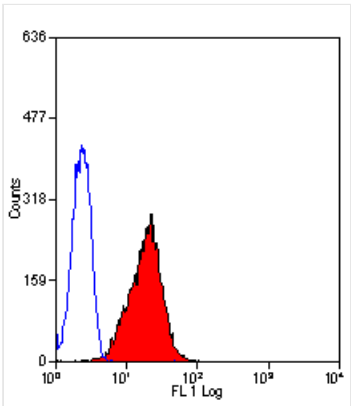
Application Data
Staining of permeabilised Jurkat cells with Mouse anti Human CD178:Alexa Fluor 488 (AAA11961A488)



Application Data
Staining of permeabilised Jurkat cells with Mouse anti Human CD178



Application Data
Staining of CD178 transfected CHO cells with Mouse anti Human CD178: Alexa Fluor 647 (AAA11961A647)



Application Data
Staining of permeabilised Jurkat cells with Mouse anti Human CD178

ADDITIONAL INFORMATION

Related Product Information for anti-CD178 antibody	Mouse anti Human CD178 antibody, clone 14C2 recognizes the human CD178, also known as Tumor necrosis factor ligand superfamily member 6, Fas ligand (FasL), Apoptosis antigen ligand or CD95 ligand. CD178 is a 281 amino acid, a ~40kDa single pass type-II transmembrane glycoprotein bearing a single intracellular FasL domain and member of the tumor necrosis factor family. CD178 is expressed by activated T lymphocytes and NK cells (Leite-de-Moraes and Dy 1997). The protein may exist as either a membrane bound or a cleaved soluble form (Garcia et al. 2013). CD178 plays an important role in T cell mediated cytotoxicity (Jodo et al. 2005). Binding of CD178 to Fas (CD95) results in the induction of apoptosis (Ju et al. 1995). Mouse anti human CD178 antibody, clone 14C2 reported to recognize a conformation dependent non-blocking epitope on CD178 (Daburon et al. 2013).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557329
NCBI GeneID	356
NCBI Accession #	NP_000630.1
NCBI GenBank Nucleotide #	NM_000639.2
UniProt Accession #	P48023; Q9BZP9
Molecular Weight	14,006 Da
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 6 isoform 1
NCBI Official Synonym Full Names	Fas ligand (TNF superfamily, member 6)
NCBI Official Symbol	FASLG
NCBI Official Synonym Symbols	APTL; FASL; CD178; CD95L; ALPS1B; CD95-L; TNFSF6; APT1LG1
NCBI Protein Information	tumor necrosis factor ligand superfamily member 6; CD95 ligand; apoptosis (APO-1) antigen ligand 1; apoptosis antigen ligand; fas antigen ligand
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 6
UniProt Gene Name	FASLG
UniProt Synonym Gene Names	APT1LG1; CD95L; FASL; TNFSF6; APTL; CD95-L; Fas ligand; FasL; sFasL; APL; FasL ICD; SPA
UniProt Entry Name	TNFL6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd178-antibody-clone-14c2-flow-cytometry-immunoprecipitation-elisa/11961>