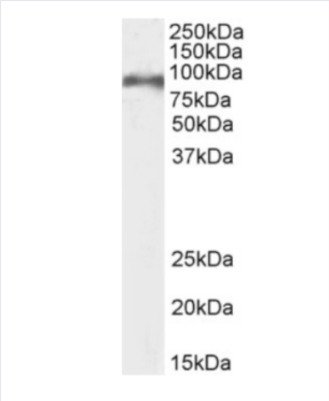
CD155 Antibody – Rabbit Monoclonal

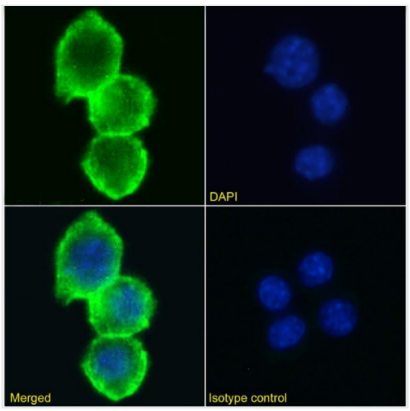
PRODUCT OVERVIEW

Product Name	CD155, Monoclonal Antibody
Full Product Name	Anti-CD155 [3F1]
Product Gene Name	anti-CD155 antibody
Product Synonym Names	TAGE 3F1; Poliovirus receptor; cellular receptor for poliovirus; Pvr; Tumor-associated antigen 1; Taa1; Tage4; HVED
Clonality	Monoclonal
Isotype	Rabbit IgG, kappa
Clone Number	3F1
Host	Rabbit
Species Reactivity	Mouse
Form/Format	PBS with 0.02% Proclin 300.
Purity/Purification	Purified antibody. Protein A affinity purified
Concentration	1mg/ml (lot specific)
Specificity	This antibody is specific for murine CD155.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.
Molecular Weight	44,668 Da
3D Structure	ModBase 3D Structure for Q8K094
Animal-free Manufacturing Platform	The recombinant antibody is manufactured using a recombinant, mammalian HEK293-based expression platform. The manufacturing platform is animal-free and animal component-free.
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.
PMID	17621371
Product Categories/Family for anti-CD155 antibody	cell-cell adhesion
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD155 antibody	Flow Cytometry (FC/FACS), ELISA (EIA)
Application Notes for anti-CD155 antibody	The binding specificity of this antibody has been confirmed both in ELISA analysis using recombinant murine CD155 (mCD155), and in flow cytometric analysis using HEK293 cells transiently expressing mCD155 (Maier et al, 2007). This antibody has been used in flow cytometry to assess mCD155 expression on lymphocytes and dendritic cells (Maier et al, 2007; Seth et al, 2011). This antibody blocks the interaction of CD155 with its ligands CD96 and CD226 (Qiu et al, 2010). When administered to WT mice, antibody-induced disruption of the CD155-CD226 interaction has been shown to cause CD226 upregulation on CD4+ T cells and CD8+ T cells (Seth et al, 2011). Administration of this antibody has also been shown to stimulate the loss of mature, memory-like CD8+ T cells from the thymus (Seth et al, 2011; Georgiev et al, 2016).

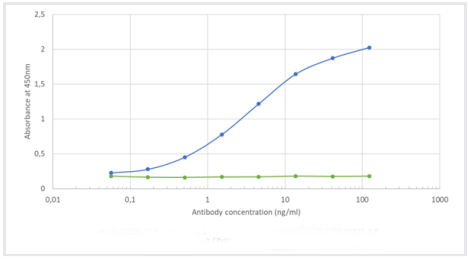
Related Product Information for anti-CD155 antibody	Recombinant monoclonal antibody to CD155. Recombinant Platform with variable regions (i.e. specificity) from the hybridoma 3F1. This antibody was raised by immunising rats with recombinant murine CD155, consisting of the entire ectodomain expressed as a HIS-tagged protein.
Product References and Citations for anti-CD155 antibody	Maier et al. The adhesion receptor CD155 determines the magnitude of humoral immune responses against orally ingested antigens Eur J Immunol. 2007 Aug;37(8):2214-25. Note on publication: Describes the original generation of this antibody, as part of a panel of anti-CD155 antibodies.
Other Notes	Small volumes of anti-CD155 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD155 purchase	MBS488666 is an antibody targeting CD155. Also known as Anti-CD155 [3F1]. Reactive in Mouse. Host: Rabbit.



Western Blot (WB) of anti-CD155 antibody
Western Blot using anti-CD155 antibody 3F1 (MBS488666). Mouse thymus lysate (35ug protein in RIPA buffer) was resolved on an SDS PAGE gel and blots probed with the chimeric rabbit IgG version of 3F1 () at 0.1ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.



Immunofluorescence (IF) of anti-CD155 antibody
Immunofluorescence staining of RAW 264.7 cells using anti-CD155 antibody (MBS488666) 3F1. Immunofluorescence analysis of paraformaldehyde fixed RAW 264.7 cells stained with the chimeric rabbit IgG version of 3F1 () at 10ug/ml followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom , DAPI, merged channels and an isotype control. The isotype control was stained with anti-Fluorescein antibody (MBS488041) followed by Alexa Fluor 488 secondary antibody.



ELISA (EIA) of anti-CD155 antibody
Binding curve of anti-CD155 antibody 3F1 () to recombinant mouse CD155 Fc-Fusion Protein. ELISA Plate coated with recombinant mouse CD155 Fc-Fusion Protein at a concentration of 5ug/ml. A 3-fold serial dilution from 10,000 ng/ml was performed using . For detection, a 1:4000 dilution of HRP-labelled anti-rabbit antibody was used.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD155. It may not necessarily be applicable to this product.

NCBI GI #	28076965
NCBI GeneID	52118
NCBI Accession #	NP_081790.1
UniProt Primary Accession #	Q8K094
GenBank Nucleotide #	NM_027514.2

NCBI Official Full Name	poliovirus receptor
UniProt Protein Name	Poliovirus receptor
Protein Family	Poliovirus receptor
UniProt Gene Name	Pvr
UniProt Synonym Gene Names	D7Ertd458e
UniProt Entry Name	Q8K094_MOUSE
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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