

Mouse MHC CLASS II DR Monoclonal Antibody | anti-HD59 antibody

MOUSE ANTI BOVINE MHC CLASS II DR:RPE

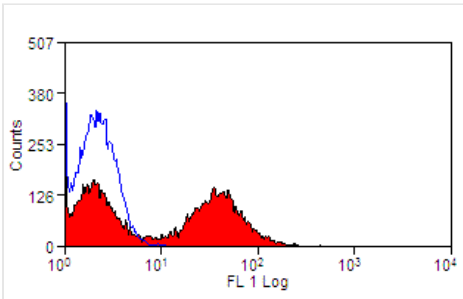
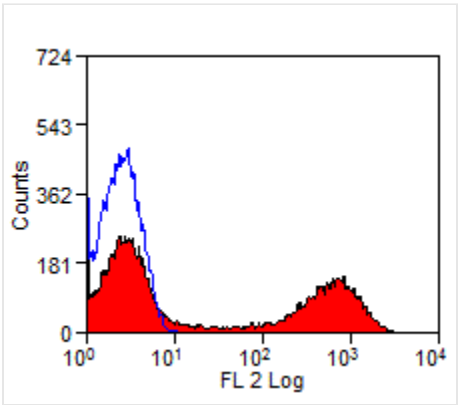
CATALOG #	HOST	APPLICATIONS
AAA50183	Mouse	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

MHC CLASS II DR; Monoclonal Antibody; MOUSE ANTI BOVINE MHC CLASS II DR:RPE; anti-HD59 antibody

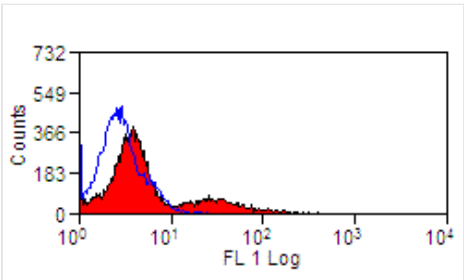
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	CC108
Specificity	This item specifically recognises Bovine MHC Class II DR. MHC Class II molecules are constitutively expressed on antigen presenting cells such as dendritic cells, B lymphocytes, monocytes, macrophages, activated T lymphocytes and may be induced on a range of other cell types by interferon gamma. The major histocompatibility complex (MHC) is a cluster of genes some of which are important in the immune response to infections. In cattle, this complex is referred to as the bovine leukocyte antigen (BoLA) region. There are 2 major types of MHC class IIa molecules encoded by the BoLA which are DR and DQ each composed of an alpha and beta chain.
Form/Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized
Sequence Length	43
Applicable Applications for anti-HD59 antibody	FCM/FACS (Flow Cytometry)
Reconstitution	Reconstitute with 1.0ml distilled water
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 5% Sucrose
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the Mouse NS1 myeloma cell line.
Buffer Solution	Phosphate buffered saline
Target Species	Bovine
Preparation and Storage	Prior to reconstitution store at 4 degree C. After reconstitution store at 4 degree C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 12 months from date of reconstitution.



Application Data
Bovine peripheral lymphocytes stained with Mouse anti Bovine MHC Class II DR:FITC

Application Data
Bovine peripheral lymphocytes stained with Mouse anti Bovine MHC Class II DR:RPE(AAA50183)



Application Data
Bovine peripheral lymphocytes stained with Mouse anti Bovine MHC Class II DR followed by Goat anti Mouse IgG (H/L):FITC

ADDITIONAL INFORMATION

Related Product Information for anti-HD59 antibody

MBS224569 specifically recognises Bovine MHC Class II DR. MHC Class II molecules are constitutively expressed on antigen presenting cells such as dendritic cells, B lymphocytes, monocytes, macrophages, activated T lymphocytes and may be induced on a range of other cell types by interferon gamma. The major histocompatibility complex (MHC) is a cluster of genes some of which are important in the immune response to infections. In cattle, this complex is referred to as the bovine leukocyte antigen (BoLA) region. There are 2 major types of MHC class IIa molecules encoded by the BoLA which are DR and DQ each composed of an alpha and beta chain.

NCBI AND UNIPROT INFORMATION

NCBI GI #	75039424
Molecular Weight	4,586 Da
NCBI Official Full Name	MHC class 1 alpha chain
UniProt Protein Name	MHC class 1 alpha chain
UniProt Gene Name	HD59
UniProt Entry Name	P79464_BOVIN

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.