

Anti-HLA-A2 [UL-5 A1] Standard Size Ab03373-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Lambda

Clone Number: UL-5 A1

Alternative Name(s) of Target: HLA-A; Human leukocyte antigen A; HLA class I histocompatibility antigen; A-2 alpha chain; MHC class I antigen A-2 HLA-A; HLA class I histocompatibility antigen A-28 alpha chain; HLA class I histocompatibility antigen; A-28 alpha chain; MHC class I antigen A-28; HLA-DRA; HLA-DRA1; HLA class II histocompatibility antigen DR alpha chain; MHC class II antigen DRA; Fab-5 A1

UniProt Accession Number of Target Protein: P01903; P04439

Published Application(s): FC

Published Species Reactivity: Human

Immunogen:

Specificity: This antibody recognizes a conformational epitope formed by the HLA-DR1 and the HLA-A2 peptide 'SDWRFLRGYHQYA' and binds to pMHC-II in a similar fashion as T cells.

Application Notes: The specificity of this antibody to recognize peptide/MHC complex epitope on HLA-A2+, -DR1/DRB1*0101+ typed lymphoblast cell lines was tested using flow cytometry. This antibody can also recognize HLA-A2-, -DR1/DRB1*0101+ LCLs exogenously loaded with HLA-A2 peptides (105-117, 103-117) (PMID: 9805656).

Antibody First Published in: Löffler et al. Recognition of HLA-DR1/DRB1*0101 molecules presenting HLA-A2 derived peptides by a human recombinant antibody, Fab-5 A1. Eur J Immunogenet. 1998 Oct;25(5):339-47. [PMID:9805656](#)

Note on publication: Describes the generation of a Fab version of an antibody which recognizes a conformational epitope formed by the HLA-DR1 and the HLA-A2 peptide.

Product Form

Size: 200 µg Purified antibody.

Purification:

Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.