Anti-HLA-A2/A28 [3PF12] Bulk size

**Description:** Recombinant monoclonal antibody to HLA-A2/A28. Manufactured using AbAb’s Recombinant Platform with variable regions (i.e. specificity) from the B-cell clone 3PF12. This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

**Isotype and Format:** Human IgG1, Fc Silent™, kappa

**Clone Number:** 3PF12

**UniProt Accession Number of Target Protein:**

**Published Application(s):** IF; FC

**Published Species Reactivity:** Human

**Immunogen:** A 57-year-old female presented with post-transfusion purpura 5 days following a blood transfusion. Serological studies with the sera of this patient identified the presence of anti-HLA-A2. A 50-ml EDTA anti-coagulated blood sample was obtained from the patient in the acute phase of her PTP, and mononuclear cells were isolated from the blood sample by layering onto a Ficoll gradient. An oligo dT primer was used to direct first strand cDNA synthesis and IgG encoded VH was amplified and an scFv library was constructed. Phage particles expressing anti-HLA A2/A28 scFvs were selected by panning.

**Specificity:** Amino acid residues 142-145 (TTKH) of the alpha2 domain of the heavy chain of the HLA class I molecules are most likely to be involved in the formation of the epitope recognised by the scfv.

**Antibody First Published in:** Watkins et al. Tissue Antigens 2000: 55: 219–228 PMID:10777097 Note on publication: Describes the isolation of scFvs against HLA-A2/A28 by V gene phage display.

**Product Form**

This is a Bulk size product. Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied in:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommened this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** See vial label

**Product Code:** Ab00947-10.3-BT

**Human IgG1**

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