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36-1219: Monoclonal Antibody to HLA-Aw32 & HLA-A25 (MHC I)(Clone: SPM418)

Clonality: Monoclonal **Clone Name:** SPM418 FACS.IF.IHC Application: Reactivity: Human Gene: HLA-B Gene ID: 3106 **Uniprot ID:** P01889 Purified Format: **Alternative Name:** HLA-B, HLAB

Isotype: Mouse IgG2a, kappa

Immunogen Information: Normal human peripheral blood lymphocytes of phenotype A1, Aw32, B7, B37, Cw-, Cw-, DR2,

munogen mormation: DRw10

Description

This MAb reacts with cells bearing HLA-A25 or HLA-Aw32 antigens. In addition, a reaction was observed with a cell of phenotype A2, Aw31; B17, Bw49. HLA-A, with HLA-B and HLA-C, belongs to major histocompatibility complex (MHC) class I antigens and expresses constitutively on all nucleated cells. HLA system comprises closely linked genes controlling highly polymorphic proteins involved in the presentation of peptides to the T-cell receptor, inhibition of NK cell cytotoxicity, and rejection of tissue allotransplantation. Specific alleles at HLA loci are associated with diseases. This MAb is specifically applicable for typing peripheral T cells for the antigens HLA-A25 and HLA-Aw32.

Product Info

Amount: 100 μg

Purification: Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

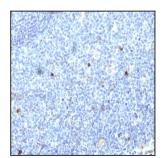
toxic.

Storage condition : Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Tonsil stained with MHC I Monoclonal Antibody (SPM418).