



Antibodies

1F-422-C025

## Monoclonal Antibody to HLA-Class I Fluorescein (FITC) conjugated (0.025 mg)

<b>Clone:</b>	W6/32
<b>Isotype:</b>	Mouse IgG2a
<b>Specificity:</b>	<p>The antibody W6/32 recognises MHC Class I molecules (MHC Class Ia) that are expressed on the surface of all human nucleated cell types.</p> <p>The antibody W6/32 is a valuable reagent for analysing variations in HLA class I expression in different disease states e.g. liver disease, muscular dystrophy, inflammatory myopathy and other neuromuscular disorders.</p> <p>This antibody W6/32 is also suitable as a positive control for HLA tissue typing and crossmatching.</p>
<b>Regulatory Status:</b>	RUO
<b>Immunogen:</b>	Membrane of human tonsil cells
<b>Species Reactivity:</b>	Human, Non-Human Primates, Bovine, Feline (Cat)
<b>Negative Species:</b>	Rabbit
<b>Preparation:</b>	The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC.
<b>Concentration:</b>	1 mg/ml
<b>Storage Buffer:</b>	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
<b>Storage / Stability:</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
<b>Usage:</b>	<p>The reagent is designed for Flow Cytometry analysis.</p> <p>Suggested working dilution is 1:300. Indicated dilution is recommended starting point for use of this product. Working concentrations should be determined by the investigator.</p>
<b>Expiration:</b>	See vial label
<b>Lot Number:</b>	See vial label
<b>Background:</b>	<p>HLA-class I major histocompatibility (MHC) antigens are intrinsic membrane glycoproteins expressed on nucleated cells and noncovalently associated with an invariant beta2 microglobulin. They carry foreign determinants important for immune recognition by cytotoxic T cells, thus important for anti-viral and anti-tumour defence. Human HLA-class I antigens are represented by HLA-A, HLA-B and HLA-C molecules.</p>

**For laboratory research only, not for drug, diagnostic or other use.**

**Antibodies****References:**

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- \*Shields MJ, Ribaldo RK: Mapping of the monoclonal antibody W6/32: sensitivity to the amino terminus of beta2-microglobulin. *Tissue Antigens* 1998 May;51(5):567-70.
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- \*And many other.

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