



# Mouse Anti-Human MHC Class I (HLA-A, HLA-B, HLA-C) Monoclonal antibody, clone W6/32 (CABT-L4285)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	The W6/32 monoclonal antibody reacts with the human major histocompatibility complex (MHC) class I, HLA-A, B, and C. All human nucleated cell express MHC class I antigens associated with $\beta$ 2-microglobulin. MHC class I plays a central role in cell-mediated immune responses and tumor surveillance.
<b>Target</b>	Human MHC Class I (HLA-A, HLA-B, HLA-C)
<b>Immunogen</b>	Human tonsil cell membrane
<b>Isotype</b>	IgG2a, $\kappa$
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	W6/32
<b>Purification</b>	Protein G purified. Purity>95%. Determined by SDS-PAGE
<b>Conjugate</b>	Functional Grade
<b>Applications</b>	FuncS
<b>Molecular Weight</b>	150 kDa
<b>Format</b>	0.2 $\mu$ M filtered liquid. Purified from tissue culture supernatant in an animal free facility
<b>Concentration</b>	Lot specific

<b>Size</b>	5 mg
<b>Buffer</b>	PBS, pH 6.5. Contains no stabilizers or preservatives. [low endotoxin azide-free]  Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB02
<b>Preservative</b>	None
<b>Storage</b>	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	MHC class I molecules are one of two primary classes of major histocompatibility complex (MHC) molecules (the other being MHC class II) and are found on the cell surface of all nucleated cells in the body.
<b>Keywords</b>	A 28;A 9;Antigen presenting molecule;Aw 24;Aw 68;CLASS I HISTOCOMPATIBILITY ANTIGEN;H2 K1;H2K;HLA A;HLA class I histocompatibility antigen A 1 alpha chain

## GENE INFORMATION

<b>Official Symbol</b>	MHC Class I
<b>Synonyms</b>	A 28; A 9; Antigen presenting molecule; Aw 24; Aw 68; CLASS I HISTOCOMPATIBILITY ANTIGEN; H2 K1; H2K; HLA A; HLA class I histocompatibility antigen A 1 alpha chain
<b>References</b>	Valenzuela, N. M., et al. (2013). "Blockade of p-selectin is sufficient to reduce MHC I antibody-elicited monocyte recruitment in vitro and in vivo." Am J Transplant 13(2): 299-311. PubMed;