

Datasheet for ABIN1711054

**anti-MHC, Class I antibody (AA 51-150) (HRP)**[Go to Product page](#)

## Overview

|                      |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                    |
| Target:              | MHC, Class I                                                                              |
| Binding Specificity: | AA 51-150                                                                                 |
| Reactivity:          | Human                                                                                     |
| Host:                | Rabbit                                                                                    |
| Clonality:           | Polyclonal                                                                                |
| Conjugate:           | This MHC, Class I antibody is conjugated to HRP                                           |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic peptide derived from human HLA-A |
| Isotype:          | IgG                                                       |
| Cross-Reactivity: | Human                                                     |
| Purification:     | Purified by Protein A.                                    |

## Target Details

|                   |                                                                                                                                                                                 |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | MHC, Class I                                                                                                                                                                    |
| Alternative Name: | MHC class 1 ( <a href="#">MHC, Class I Products</a> )                                                                                                                           |
| Background:       | Synonyms: MHC-1, MHC1, MHC 1, A 28, A 9, Aw 24, Aw 68, CLASS I HISTOCOMPATIBILITY ANTIGEN, H2 K1, H2K, HLA A, HLA class I histocompatibility antigen A 1 alpha chain, HLA class |

## Target Details

I histocompatibility antigen A 11 alpha chain, HLA class I histocompatibility antigen A 2 alpha chain, HLA class I histocompatibility antigen A 24 alpha chain, HLA class I histocompatibility antigen A 3 alpha chain, HLA class I histocompatibility antigen A 30 alpha chain, HLA class I histocompatibility antigen A 32 alpha chain, HLA class I histocompatibility antigen A 68 alpha chain, HLAA, Major histocompatibility complex class I A, MHC class I heavy chain H2 K.

Background: MHC Class I molecules play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum lumen. MHC class I antigens are heterodimers consisting of one alpha chain (44 kDa) with beta 2 microglobulin (11.5 kDa). The antigen is expressed by all somatic cells at varying levels. MHC Class I molecules are expressed on most nucleated cells where they present endogenously synthesized antigenic peptides to CD8+ T lymphocytes, which are usually cytotoxic T cells. Fibroblasts or neurons however only show a low level of antigen.

Gene ID: 93649

## Application Details

Application Notes: WB 1:300-5000  
IHC-P 1:200-400

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

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Expiry Date: 12 months