

Datasheet for ABIN1701870

## anti-MHC, Class I antibody (AA 81-180) (Cy3)



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### Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | MHC, Class I                                                                                                                   |
| Binding Specificity: | AA 81-180                                                                                                                      |
| Reactivity:          | Human                                                                                                                          |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This MHC, Class I antibody is conjugated to Cy3                                                                                |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human MHC class I |
| Isotype:              | IgG                                                             |
| Cross-Reactivity:     | Human                                                           |
| Predicted Reactivity: | Mouse,Rat                                                       |
| Purification:         | Purified by Protein A.                                          |

### Target Details

|                   |                                                       |
|-------------------|-------------------------------------------------------|
| Target:           | MHC, Class I                                          |
| Alternative Name: | MHC class 1 ( <a href="#">MHC, Class I Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Synonyms: A 28, A 9, Aw 24, Aw 68, CLASS I HISTOCOMPATIBILITY ANTIGEN, H2 K1, H2K, HLA A, HLA-A, HLA C, HLA-C, HLA class I histocompatibility antigen A 1 alpha chain, HLA class 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, 1C04_HUMAN.</p> <p>Background: HLA-A belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored in the membrane. Class I molecules play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum lumen. They are expressed in nearly all cells. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon 1 encodes the leader peptide, exons 2 and 3 encode the alpha1 and alpha2 domains, which both bind the peptide, exon 4 encodes the alpha3 domain, exon 5 encodes the transmembrane region, and exons 6 and 7 encode the cytoplasmic tail. Polymorphisms within exon 2 and exon 3 are responsible for the peptide binding specificity of each class one molecule. Typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. Hundreds of HLA-A alleles have been described. [provided by RefSeq, Jul 2008]</p> |
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UniProt: [G0ZMJ8](#)

## Application Details

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| 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                                                                                                     |

Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |