

## Anti-HLA-A/B/C antibody

|                 |   |
|-----------------|---|
| <b>Cat. No.</b> | ml163814  |
| <b>Package</b>  | 25 µl/100 µl/200 µl                                     |
| <b>Storage</b>  | -20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol |

### Product overview

|                     |   |
|---------------------|---|
| <b>Description</b>  | Anti-HLA-A/B/C rabbit polyclonal antibody |
| <b>Applications</b> | ELISA, IHC                                |
| <b>Immunogen</b>    | Synthetic peptide of human HLA-A/B/C      |
| <b>Reactivity</b>   | Human                                     |
| <b>Content</b>      | 0.54 mg/ml                                |
| <b>Host species</b> | Rabbit                                    |
| <b>Ig class</b>     | Immunogen-specific rabbit IgG             |
| <b>Purification</b> | Antigen affinity purification             |

### Target information

|                  |  |
|------------------|--|
| <b>Symbol</b>    | HLA-A/B/C                                    |
| <b>Full name</b> | major histocompatibility complex, class I, B |
| <b>Synonyms</b>  | AS; HLAB; B-4901                             |
| <b>Swissprot</b> | P01889                                       |

### Target Background

HLA-B 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, exon 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-B alleles have been described.

订购热线: 4008-898-798

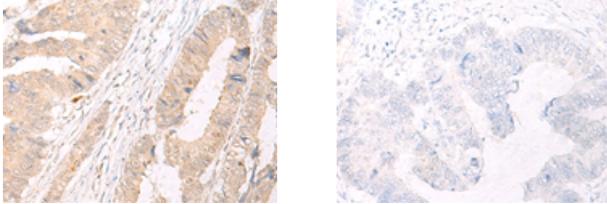
#### Applications

##### Immunohistochemistry

Predicted cell location: Cytoplasm and Cell membrane

Positive control: Human colorectal cancer

Recommended dilution: 30-150



The image on the left is immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using ml163814(HLA-A/B/C Antibody) at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification: ×200)

##### ELISA

Recommended dilution: 5000-10000

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