

## ARG56030 anti-HLA B antibody [JOAN-1]

Package: 50 µg  
Store at: -20°C

### Summary

|                     |  |
|---------------------|--|
| Product Description | Mouse Monoclonal antibody [JOAN-1] recognizes HLA B                                |
| Tested Reactivity   | Hu   |
| Tested Application  | FACS, ICC/IF   |
| Host                | Mouse  |
| Clonality           | Monoclonal   |
| Clone               | JOAN-1   |
| Isotype             | IgG3, kappa  |
| Target Name         | HLA B  |
| Species             | Human  |
| Immunogen           | Normal Human peripheral blood lymphocytes.   |
| Conjugation         | Un-conjugated  |
| Alternate Names     | HLA class I histocompatibility antigen, B-27 alpha chain; MHC class I antigen B*27 |

### Application Instructions

| Application table | Application  | Dilution                                  |
|-------------------|--|---|
|                   | FACS   | 0.5 - 1 µg/10 <sup>6</sup> cells in 0.1ml |
|                   | ICC/IF   | 0.5 - 1 µg/ml                             |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |   |

### Properties

|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Purification        | Purification with Protein G.   |
| Buffer              | PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA   |
| Preservative        | 0.05% Sodium azide   |
| Stabilizer          | 0.1 mg/ml BSA  |
| Concentration       | 0.2 mg/ml  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.   |

|                       |  |
|-----------------------|--|
| Database links        | <a href="#">GeneID: 3106 Human</a><br><br><a href="#">Swiss-port # P01889 Human</a>  |
| Gene Symbol           | HLA-B  |
| Gene Full Name        | major histocompatibility complex, class I, B   |
| Background            | <p>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. [provided by RefSeq, Jul 2008]</p> |
| Function              | Involved in the presentation of foreign antigens to the immune system. [UniProt]   |
| Calculated Mw         | 40 kDa   |
| PTM                   | Polyubiquitinated in a post ER compartment by interaction with human herpesvirus 8 MIR1 protein. This targets the protein for rapid degradation via the ubiquitin system (By similarity).  |
| Cellular Localization | Cell surface   |