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|-----------------------|---|-----------------|
|                       | Technical Data Sheet  |                 |
| Product               | <b>Anti-HLA-E Purified</b>  |                 |
| Cat. Number/Size      | <b>11-393-C025</b>  | <b>0.025 mg</b> |
|                       | <b>11-393-C100</b>  | <b>0.1 mg</b>   |
|                       | <b>For Research Use Only.</b>   |                 |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>   |                 |
| Antigen               | HLA-E   |                 |
| Clone                 | MEM-E/06  |                 |
| Format                | Purified  |                 |
| Reactivity            | Non-human primates, Human   |                 |
| Application           | FC (QC tested), IP, IHC-P   |                 |
| Application details   | Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/ml; positive tissue: spleen.<br>Flow cytometry: Recommended dilution: 1-4 µg/ml   |                 |
| Isotype               | Mouse IgG1  |                 |
| Specificity           | The antibody MEM-E/06 recognizes an extracellular epitope on native surface-expressed HLA-E, but not denaturated heavy chain of HLA-E. HLA-E belongs to the MHC Class I molecules (MHC Class Ib; nonclassical) and it is expressed on many types of the human cells. The published results showed that the antibody cross-reacts with some classical MHC Class I molecules (HLA-A3, -A11, -B7). However, the recent Workshop I Session on the 3rd International Conference on HLA-G (Paris, July 2003) confirmed that the antibody exhibits much broader cross-reactivity classical MHC Class I antigens, namely with HLA-A24, -A32, -B8, -B15, -B27, -B35, -B44, -B54, -C3, -C4, -C5, -C7. |                 |
| Other names           | HLA class I histocompatibility antigen, alpha chain E, MHC class I antigen E  |                 |
| Immunogen             | Bacterially expressed recombinant HLA-E refolded with beta2-microglobulin and peptide.  |                 |
| Entrez Gene ID        | 3133  |                 |
| Gene name             | HLA-E   |                 |
| NCBI Full Gene Name   | major histocompatibility complex, class I, E  |                 |
| UniProt ID            | P13747  |                 |
| Concentration         | 1 mg/ml   |                 |
| Preparation           | Purified by protein-A affinity chromatography.  |                 |
| Formulation           | Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide   |                 |
| Storage and handling  | Store at 2-8°C. Do not freeze.  |                 |
| Images and References | www.exbio.cz  |                 |

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