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| <b>Product name:</b>     | EHMT2 Mouse Monoclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Cat number:</b>       | MABN82226                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Conjugate:</b>        | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Size:</b>             | 100µL                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Clone:</b>            | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Host:</b>             | Mouse                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Isotype:</b>          | Mouse IgG1                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Immunogen:</b>        | Purified recombinant fragment of human EHMT2 (AA: 317-471) expressed in E. Coli.                                                                                                                                                                                                                                                                                                                               |
| <b>Reactivity:</b>       | Human                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Applications:</b>     | IHC 1:200-1:1000, ICC 1:200-1:1000, ELISA 1:5000-1:20000, FC 1:200-1:400                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Weight:</b> | 132.4kDa                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purification:</b>     | Affinity Purification                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Buffer:</b>           | Purified antibody in PBS with 0.05% sodium azide                                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage:</b>          | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                   |
| <b>Background:</b>       | This gene encodes a methyltransferase that methylates lysine residues of histone H3. Methylation of H3 at lysine 9 by this protein results in recruitment of additional epigenetic regulators and repression of transcription. This gene was initially thought to be two different genes, NG36 and G9a, adjacent to each other in the HLA locus. Alternative splicing results in multiple transcript variants. |