

PRODUCT INFORMATION

Anti-HMGB1 Antibody

| Catalog number | CM001-0.1EAC/1EAC | | | | | | | | | | |
|-------------------------|--|---------------------|-----------------|---------------------|-------|--------------|---------------------|----|--------------|------------------|---|
| Package | 100 μ l / 1 mL | | | | | | | | | | |
| Description | <p>High-mobility group protein B1 (HMGB1) is also known as high-mobility group protein 1 (HMGB1) and amphoterin. HMGB1 is a non-histone nuclear protein with a dual function. In the nucleus, HMGB1 is a DNA binding protein that associates with chromatin and can bend DNA. Binds preferentially single-stranded DNA. Involved in V(D)J recombination by acting as a cofactor of the RAG complex. Acts by stimulating cleavage and RAG protein binding at the 23 bp spacer of conserved recombination signal sequences (RSS). Outside the cell, HMGB1 displays cytokine activity and can promote inflammation, serving as a mediator in models of shock and arthritis.</p> | | | | | | | | | | |
| Product type | Monoclonal, Antibody pair | | | | | | | | | | |
| Host | Mouse | | | | | | | | | | |
| Concentration | 1 mg/mL | | | | | | | | | | |
| Reactivity | <p>Recognizes HMGB1 protein, do not cross-react with HMGB2.</p> <p>Recognize HMGB1 in ELISA, when monoclonal antibody was paired with Anti-HMGB1 Antibody (HRP) (cat. CM001-0.1EAD/1EAD).</p> | | | | | | | | | | |
| Conjugation | N/A | | | | | | | | | | |
| Form | Liquid | | | | | | | | | | |
| Storage buffer | Phosphate Buffered Saline, pH 7.4. | | | | | | | | | | |
| Storage | <p>Store at 4°C for two weeks.</p> <p>Store at -20°C for one year.</p> <p>Avoid freeze/thaw cycles.</p> <p>Suggestion: Divide antibody into several vials. Keep only vials for usage at 4°C.</p> | | | | | | | | | | |
| Application | ELISA, WB, IFA, FACS | | | | | | | | | | |
| Application Note | N/A | | | | | | | | | | |
| Manual | <table border="1"> <thead> <tr> <th>Application</th> <th>Dilution factor</th> <th>Final concentration</th> </tr> </thead> <tbody> <tr> <td>ELISA</td> <td>1:5000-20000</td> <td>0.05-0.2 μg/mL</td> </tr> <tr> <td>WB</td> <td>1:1000-10000</td> <td>0.1-1 μg/mL</td> </tr> </tbody> </table> | Application | Dilution factor | Final concentration | ELISA | 1:5000-20000 | 0.05-0.2 μ g/mL | WB | 1:1000-10000 | 0.1-1 μ g/mL | <p>Note: Application concentration may be various determined by the end user.</p> |
| Application | Dilution factor | Final concentration | | | | | | | | | |
| ELISA | 1:5000-20000 | 0.05-0.2 μ g/mL | | | | | | | | | |
| WB | 1:1000-10000 | 0.1-1 μ g/mL | | | | | | | | | |

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