

Anti-h HE4 4505 SPTN-5

Product overview

| | |
|--------------------------------|---|
| Catalog number | 100593 |
| Specificity | Antibody recognizes human epididymis protein 4 (HE4) |
| Description | Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components. |
| Product buffer solution | 50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative |
| Shelf life and storage | 36 months from manufacturing at 2–8 °C |
| Subclass | IgG ₁ |
| Analyte description | Human epididymis protein 4 (HE4), also known as WAP four-disulfide core domain protein 2, is a 124 amino acid long protease inhibitor. Serum HE4 is often measured together with CA125 to monitor progression of epithelial ovarian cancer after treatment. |

Parameters tested on each lot

| | |
|------------------------------|--|
| Product appearance | Liquid, may turn slightly opaque during storage |
| Product concentration | 5.0 mg/ml (+/-10 %) |
| Immunoreactivity | 80–120 % compared to the reference sample in an FIA test |
| IEF Profile | 5.9–7.0 |
| Purity | ≥ 95 % |

Kinetic parameters

| | |
|-----------------------------------|--|
| Association rate constant | 2.1×10^4 1/Ms |
| Dissociation rate constant | 1.9×10^{-4} 1/s |
| Affinity constant | $K_A = 1.1 \times 10^8$ 1/M; $K_D = 9.2 \times 10^{-9}$ M (= 9.2 nM) |
| Determination method | BLI (Octet RED96e) |
| Determination antigen | Epididymis Protein 4 (HE4), Medix Biochemica (Cat 345-50) |



Legal disclaimer

Cross-reactivities Does not recognize cancer antigens CA125 or CA19-9

Epitope N/D

Pair recommendations

| | | DETECTION | | | | |
|---------|------|-----------|------|------|------|------|
| | | 4501 | 4502 | 4503 | 4505 | 4506 |
| CAPTURE | 4501 | - | - | + | + | + |
| | 4502 | - | - | + | + | + |
| | 4503 | - | - | - | - | - |
| | 4505 | - | - | - | - | - |
| | 4506 | - | - | - | - | - |

Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.

Platforms tested FIA

Antigens tested Recombinant Epididymis Protein 4 (HE4) antigen, Medix Biochemica 345-50.

| TEMPERATURE, TIME | RESULT |
|-------------------|--------|
| -70 °C, 21 days | OK |
| -20 °C, 21 days | OK |
| +4 °C, 21 days | OK |
| +35 °C, 21 days | OK |
| +45 °C, 7 days | OK |

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2–8 °C in the product buffer.

Miscellaneous -

References -



Legal disclaimer