

## PRODUCT SPECIFICATIONS

Date: 2017-02-17

|                                |   |
|--------------------------------|---|
| <b>Name</b>                    | Anti-h HE4 4503 SPTN-5  |
| <b>Specificity</b>             | Antibody recognizes human epididymis protein 4 (HE4)  |
| <b>Description</b>             | Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.   |
| <b>Product code</b>            | 100608  |
| <b>Product buffer solution</b> | 50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative  |
| <b>Shelf life and storage</b>  | Shelf life unspecified, storage at +2–8 °C  |
| <b>Analyte description</b>     | 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 FROM EACH LOT

|                              |   |
|------------------------------|---|
| <b>Product appearance</b>    | Clear liquid, may turn slightly opaque during storage |
| <b>Product concentration</b> | 5.0 mg/ml (+/- 10 %)                                  |
| <b>Immunoreactivity</b>      | 80–120 % compared to reference in an IFMA-test        |
| <b>IEF Profile</b>           | 6.6 – 7.0   |
| <b>Purity</b>                | ≥ 95 %  |

## PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

|                              |                      |
|------------------------------|----------------------|
| <b>Subclass</b>              | IgG <sub>1</sub>     |
| <b>Association constant</b>  | Not determined (N/D) |
| <b>Dissociation constant</b> | N/D                  |
| <b>Affinity constant</b>     | N/A                  |
| <b>Determination method</b>  | N/A                  |
| <b>Determination antigen</b> | N/A                  |

**Legal disclaimer**

Medix Biochemica products meet their specifications if transported, stored and used according to the instructions. MedixMAB is a registered trademark of Medix Biochemica and may not be used or reproduced without Medix Biochemica's written permission.

**Oy Medix Biochemica Ab**

**Headquarters and manufacturing**  
Klovinpellontie 3  
FI-02180 Espoo, Finland

medix@medixbiochemica.com  
www.medixbiochemica.com  
VAT reg. no. FI14631532

## PRODUCT SPECIFICATIONS

Date: 2017-02-17

**Cross-reactivities** No cross-reactivity against cancer antigens CA125, CA19-9 or CA15-3.

**Epitope** N/D

|                             |                         |                           |
|-----------------------------|-------------------------|---------------------------|
| <b>Pair recommendations</b> | <b>CAPTURE ANTIBODY</b> | <b>DETECTION ANTIBODY</b> |
|                             | 4501, 4502              | 4503                      |

Please note that pair recommendations are based on results obtained in our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations should be taken only as a directive.

| <b>Product stability</b> | <b>TEMPERATURE, DAYS</b> | <b>RESULT</b> |
|--------------------------|--------------------------|---------------|
|                          | -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. The maximum duration of the test is 21 days, except for the +45 °C only 7 days. Please note that the shelf life given on page one is based on real time stability testing at +2-8 °C in the product buffer.

**Miscellaneous** -

**References** -

**Legal disclaimer**

Medix Biochemica products meet their specifications if transported, stored and used according to the instructions. MedixMAB is a registered trademark of Medix Biochemica and may not be used or reproduced without Medix Biochemica's written permission.

**Oy Medix Biochemica Ab**

**Headquarters and manufacturing**  
Klovinpellontie 3  
FI-02180 Espoo, Finland

medix@medixbiochemica.com  
www.medixbiochemica.com  
VAT reg. no. FI14631532