

## Rat anti-Mouse EpCAM Monoclonal Antibody | anti-EpCAM antibody

Rat Anti-EpCAM [G8.8]

|                              |                    |                            |                                             |
|------------------------------|--------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA59519</b> | HOST<br><b>Rat</b> | REACTIVITY<br><b>Mouse</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|------------------------------|--------------------|----------------------------|---------------------------------------------|

### PRODUCT SYNONYMS

EpCAM; Monoclonal Antibody; Rat Anti-EpCAM [G8.8]; 17 1A antibody; 323/A3 antibody; Adenocarcinoma associated antigen antibody; Antigen identified by monoclonal antibody AUA1 antibody; CD326 antibody; CD326 antigen antibody; Cell surface glycoprotein Trop 1 antibody; CO 17A antibody; CO17 1A antibody; CO17A antibody; EGP antibody; EGP2 antibody; EGP40 antibody; EpCAM antibody; Epithelial cell surface antigen antibody; Epithelial cellular adhesion molecule antibody; Epithelialglycoprotein antibody; GA733 2 antibody; hEGP 2 antibody; KS 1/4 antigen antibody; KSA antibody; Lymphocyteantigen 74 antibody; M1S2 antibody; M4S1 antibody; Major gastrointestinal tumor associated protein GA733 2antibody; MIC18 antibody; MK 1 antibody; TACD1 antibody; TACSTD1 antibody; TROP1 antibody; Tumor associatedcalcium signal transducer 1 antibody; anti-EpCAM antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                       |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rat                                                                                                                                                                                                                   |
| Reactivity                                      | Mouse                                                                                                                                                                                                                 |
| Clonality                                       | Monoclonal                                                                                                                                                                                                            |
| Isotype                                         | IgG2a kappa                                                                                                                                                                                                           |
| Clone Number                                    | G8.8                                                                                                                                                                                                                  |
| Specificity                                     | Mouse Ep-CAM; CD326 on mouse material                                                                                                                                                                                 |
| Purity/Purification                             | Protein G                                                                                                                                                                                                             |
| Form/Format                                     | Purified antibody containing PBS +0.1% sodium azide                                                                                                                                                                   |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                                                                                                                |
| Sequence Length                                 | 314                                                                                                                                                                                                                   |
| Applicable Applications for anti-EpCAM antibody | IHC (Immunohistochemistry)                                                                                                                                                                                            |
| Target Antigen                                  | EpCAM                                                                                                                                                                                                                 |
| Immunogen                                       | Thymic epithelial cell line                                                                                                                                                                                           |
| Myeloma/fusion Partners                         | X63Ag8.653                                                                                                                                                                                                            |
| Research Areas                                  | Immunology                                                                                                                                                                                                            |
| Technical Notes                                 | Ep-CAM is widely expressed among epithelia; not restricted to thymus.                                                                                                                                                 |
| Health and Safety                               | Products that contain sodium azide (a poisonous and hazardous substance) should be handled by trained staff only.                                                                                                     |
| Preparation and Storage                         | Store at 4 degree C for one month, or in small aliquots at -20 degree C for longer periods. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. |

### ADDITIONAL INFORMATION

|            |                                                                                                                                                                                                          |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | Farr A et al. Epithelial heterogeneity in the murine thymus: a cell surface glycoprotein expressed by subcapsular and medullary epithelium. J Histochem Cytochem 39:645-53 (1991) <a href="#">PUBMED</a> |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 218505670                                                                                                                                                                                                                                                                                                                                         |
| NCBI GeneID                      | 4072                                                                                                                                                                                                                                                                                                                                              |
| NCBI Accession #                 | NP_002345.2                                                                                                                                                                                                                                                                                                                                       |
| NCBI GenBank Nucleotide #        | NM_002354.2                                                                                                                                                                                                                                                                                                                                       |
| UniProt Accession #              | P16422; P18180; Q6FG26; Q6FG49; Q96C47; Q9UCD0                                                                                                                                                                                                                                                                                                    |
| Molecular Weight                 | 34,932 Da                                                                                                                                                                                                                                                                                                                                         |
| NCBI Official Full Name          | epithelial cell adhesion molecule                                                                                                                                                                                                                                                                                                                 |
| NCBI Official Synonym Full Names | epithelial cell adhesion molecule                                                                                                                                                                                                                                                                                                                 |
| NCBI Official Symbol             | EPCAM                                                                                                                                                                                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | ESA; KSA; M4S1; MK-1; DIAR5; EGP-2; EGP40; KS1/4; MIC18; TROP1; EGP314; HNPCC8; TACSTD1                                                                                                                                                                                                                                                           |
| NCBI Protein Information         | epithelial cell adhesion molecule; adenocarcinoma-associated antigen; cell surface glycoprotein Trop-1; epithelial glycoprotein 314; human epithelial glycoprotein-2; major gastrointestinal tumor-associated protein GA733-2; membrane component, chromosome 4, surface marker (35kD glycoprotein); tumor-associated calcium signal transducer 1 |
| UniProt Protein Name             | Epithelial cell adhesion molecule                                                                                                                                                                                                                                                                                                                 |
| UniProt Gene Name                | EPCAM                                                                                                                                                                                                                                                                                                                                             |
| UniProt Synonym Gene Names       | GA733-2; M1S2; M4S1; MIC18; TACSTD1; TROP1; Ep-CAM; EGP; EGP314; hEGP314                                                                                                                                                                                                                                                                          |
| UniProt Entry Name               | EPCAM_HUMAN                                                                                                                                                                                                                                                                                                                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/monoclonal/epcam-antibody-clone-g8-8-immunohistochemistry-elisa/59519>