

## Anti-EpCAM/TROP1 Antibody (5R239)

## Product Details

|               |              |
|---------------|--------------|
| Ig Type:      | Mouse IgG1   |
| Reactivity:   | Human        |
| Conjugation:  | Unconjugated |
| Clone:        | 5R239        |
| Purification: | Protein A    |

## Applications

|              |  |
|--------------|--|
| Application: | ELISA,ELISA(Cap)                               |
| Recommended  | ELISA: 1:1000-1:2000; ELISA(Cap): 1:250-1:2000 |

## Properties

|                      |  |
|----------------------|--|
| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free. |
| Shipping:            | Shipping with blue ice.  |

## Antigen Details

|                  |  |
|------------------|--|
| Immunogen:       | Recombinant Protein: Human EpCAM protein (TMPY-01300)  |
| Antigen Species: | Human  |
| Synonyms:        | DIAR5;MIC18;epithelial cell adhesion molecule;EGP314;TROP1;EGP-2;M4S1;HNPCC8;TROP-1;EGP40;KSA;MK-1;KS1/4;ESA;TACSTD1 |

## Research Background

Epithelial Cell Adhesion Molecule (EpCAM), also known as GA733-2 antigen, is a type I transmembrane glycoprotein composed of an extracellular domain with two EGF-Like repeats and a cystenin-rich region, a transmembrane domain and a cytoplasmic domain. It modulates cell adhesion and proliferation. Its overexpression has been detected in many epithelial tumours and has been associated with high stage, high grade and a worse survival in some tumour types. EpCAM has been shown to function as a calcium-independent homophilic cell adhesion molecule that does not exhibit any obvious relationship to the four known cell adhesion molecule superfamilies. However, recent insights have revealed that EpCAM participates in not only cell adhesion, but also in proliferation, migration and differentiation of cells. In addition, recent study revealed that EpCAM is the Wnt-beta-catenin signaling target gene and may be used to facilitate prognosis. It has oncogenic potential and is activated by release of its intracellular domain, which can signal into the cell nucleus by engagement of elements of the wnt pathway.

Cancer ImmunotherapyImmune CheckpointImmunotherapyTargeted Therapy

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