

Anti-EMA [E29] mAb

Catalogue number: 151381

Sub-type: Primary antibody

Images:

Contributor

Inventor: Jacqueline Cordell

Institute: University of Oxford

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-EMA [E29] mAb

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Monoclonal antibody used as a pan-epithelial marker to categorise cancers of epithelial origin and detect metastatic loci.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG2a

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Human milk fat globule membrane preparation

Immunogen UNIPROT ID: P15941

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Epithelial Membrane Antigen (EMA)

Target alternate names:

Target background: Glycoproteins isolated from human milk fat globule membranes, designated epithelial membrane antigen (EMA), have been detected immunohistochemically in most non-neoplastic epithelia and are potentially a highly effective marker for establishing the epithelial nature of neoplastic cells. Anti-EMA was created for use in diagnostic immunocytochemistry for identification of tumours of epithelial origins. EMA is present within membranes of the apical side of secretory epithelia, and is typically overexpressed in colon, breast, ovarian, lung and pancreatic cancers.

Molecular weight:

Ic50:

Applications

Application: IHC ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: Store at -20° C frozen. Avoid repeated freeze / thaw cycles

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Salerno-Goncalves et al. 2019. PLoS Negl Trop Dis. 13(8):e0007650. PMID: 31412039. ; Amini et al. 2019. BMC Cancer. 19(1):316. PMID: 30953461. ; Schulz et al. 2019. Sci Rep. 9(1):1925. PMID: 30760760. ; Silva et al. 2019. Front Immunol. 10:1508. PMID: 31333653. ; Gruenbacher et al. 2019. Front Immunol. 10:1870. PMID: 31447857. ; Moura et al. 2012. Eur J Immunol. 42(11):2925-36. PMID: 22851198. ; CD163 favors Mycobacterium leprae survival and persistence by promoting anti-inflammatory pathways in lepromatous macrophages. ; Moniuszko et al. 2006. Clin Vaccine Immunol. 13(6):704-7. PMID: 16760331. ; Monocyte CD163 and CD36 expression in human whole blood and isolated mononuclear cell samples: influence of different anticoagulants. ; Mller et al. 2002. Blood. 99(1):378-80. PMID: 11756196. ; Identification of the hemoglobin scavenger receptor/CD163 as a natural soluble protein in plasma. ; Law et al. 1993. Eur J Immunol. 23(9):2320-5. PMID: 8370408. ; A new macrophage differentiation antigen which is a member of the scavenger receptor superfamily. ; Pulford et al. 1992. Immunology. 75(4):588-95. PMID: 1592433. ; A monocyte/macrophage antigen recognized by the four antibodies GHI/61, Ber-MAC3, Ki-M8 and SM4.

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