

Anti-SEP70 [MB-SEP70]

Catalogue number: 162068

Sub-type: Primary antibody

Images:

Contributor

Inventor:

Institute: Moravian Biotechnology

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-SEP70 [MB-SEP70]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Antibody created to detect the human Hsp70 protein (70 kDa)

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1 kappa

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Purified human Hsp70 protein (70 kDa)

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details: Heat shock protein 70 was purified from human oesophageal epithelial cells originating from 60 human biopsies following heat shock, radiolabeling with [35S]methionine, and lysis. The 70 kDa heat shock protein was then used to immunise mice and the splenocytes were then fused with SP2 myeloma cells to generate hybridoma cells. Individual hybridoma supernatants were used to purify the mouse anti-human stress protein SEP70 monoclonal antibody MB-SEP70.

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: human stress protein SEP70

Target alternate names: squamous epithelial heat shock protein 70

Target background: Hsp70 is a highly conserved molecular chaperone protein with several roles within the cell. Hsp70 is expressed in stress conditions, when it binds to its substrate and acts as a stabiliser, but acts also during normal cell growth, when it assists the newly synthesized proteins with folding, the subcellular transport of proteins and vesicles, assembly or disassembly of proteins, or protein degradation. Increased Hsp70 levels have been associated with breast, endometrial, oral and colorectal cancer.

Molecular weight: 70 kDa

Ic50:

Applications

Application:

Application notes:

Handling

Format: Liquid

Concentration:

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions:

Related tools

Related tools:

References

References:

CancerTools.org