

## Anti-763.74 [MK2-23] Bulk Size Ab00467-10.7-BT

This antibody is in our proprietary AbFab2™ recombinant F(ab2) format - based on Human IgG1 sequence with a short dimerization domain to improve stability and a his tag.

This chimeric human antibody was made using the variable domain sequences of the original Mouse format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human F(ab)2, AbFab2™ His-Tagged, Kappa

**Clone Number:** MK2-23

**Alternative Name(s) of Target:** Ab763.74 idiotype; High molecular weight-associated melanoma antigen-neutralising antibody 763.74 (anti-idiotypic)

**UniProt Accession Number of Target Protein:**

**Published Application(s):** Block

**Published Species Reactivity:** n/a

**Immunogen:** Monoclonal antibody 763.74.

**Specificity:**

**Application Notes:** The antibody binds specifically to the monoclonal antibody 763.74. The 763.74 antibody has neutralising activity against HMW-MAA, a cell surface proteoglycan expressed on more than 90% of melanomas, which has been shown to contribute to the malignant transformation of cancer cells by inducing their invasion, growth and migration. The anti-idiotypic monoclonal antibody MK2-23 mimics HMW-MAA in the binding to 763.67, and can thereby increase the level of antibody production against the antigen in patients with the melanoma. This induces a humoral immune response which has caused the regression of melanomas in some patients and can prolong their survival.

**Antibody First Published in:** Kusama et al. Characterization of syngeneic anti idiotypic monoclonal antibodies to murine anti-human high molecular weight melanoma-associated antigen monoclonal antibodies. J Immunol. 1989 Dec 1;143(11):3844-52. [PMID:2584721](#)

**Note on publication:** Describes the generation of the MK2-23 monoclonal antibody against human high molecular weight melanoma-associated antigen (HMW-MAA) using the standard hybridoma technology.

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:**

Purified by Immobilized Metal Affinity Chromatography

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.