

Product datasheet for **AM32254SU-N**

MUM1 (IRF4) Mouse Monoclonal Antibody [Clone ID: KBA.62]

Product data:

Product Type: Primary Antibodies

Clone Name: KBA.62

Applications: IHC

Recommended Dilution: **Immunohistochemistry on Frozen Sections.**
Immunohistochemistry on Paraffin Sections.

Recommended Dilution: 1/25-1/100.

Positive Control: Melanoma.

Staining Pattern: Membranous.

Preparation and Pretreatment

1. Cut 3-4 μm section of formalin-fixed paraffin-embedded tissue and place on positively charged slides; dry overnight at 58°C.

2. Deparaffinize, rehydrate, and epitope retrieve; the preferred method is the use of Heat Induced Epitope Retrieval (HIER) techniques in conjunction with a pressure cooker. The preferred method allows for simultaneous deparaffinization, rehydration, and epitope retrieval. Upon completion, rinse with 5 changes of distilled or deionized water.

3. If using HRP detection system, place slides in peroxide block for 10 minutes; rinse. If using AP detection system, omit this step.

Reactivity: Human

Host: Mouse

Isotype: IgG1

Clonality: Monoclonal



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Specificity:	Anti-KBA.62 (Melanoma Associated Antigen) is a novel anti-melanoma antibody. Studies thus far have shown a similar sensitivity to melanocytic proliferations as that seen with S-100 protein staining, which is somewhat higher than that seen with HMB-45. This has been confirmed by one study on a series of 215 sentinel lymph nodes. Moreover, anti-KBA.62 identified 6 patients (3%) who had confirmed sentinel lymph node metastasis but stained negative for HMB-45. In this setting, the resolution appears to be higher than S-100 protein in that the staining pattern (membranous) is quite distinct. Interestingly, most cases of desmoplastic and spindle cell melanomas show strongly positive results with anti-KBA.62, unlike that seen with other melanocyte markers. It should be noted that anti-KBA.62 will label occasional endothelial cells which can serve as an internal positive control. A small percentage of well-differentiated squamous cell carcinomas of the skin (and lung) have also been noted to stain with this antibody; however, the poorly-differentiated forms of carcinoma do not, thus resolving a greater practical problem in differential diagnosis. Therefore, anti-KBA.62 is a useful additional marker for melanoma, specifically in desmoplastic/spindle cell cases and in the context of micrometastasis in sentinel lymph node.
Formulation:	PBS, 7.4 State: Supernatant State: Liquid diluted Supernatant Stabilizer: 0.9% BSA Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	interferon regulatory factor 4
Database Link:	Entrez Gene 3662 Human Q15306
Synonyms:	Interferon regulatory factor 4, NF-EM5, MUM1, LSIRF