



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-Acetylaminofluorene [K16-16] Bulk Size Ab00759-1.6-BT

This is a Fab fragment with a his-tag.

This reformatted mouse antibody was made using the variable domain sequences of the original Mouse scFv (IgG1) format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse Fab fragment, His-Tagged, Kappa

**Clone Number:** K16-16

**Alternative Name(s) of Target:** anti-acetylaminofluorene; AAF; anti-AAF

**UniProt Accession Number of Target Protein:**

**Published Application(s):** colony hybridization, dot blot hybridization, PCR, plaque hybridization, Southern blot

**Published Species Reactivity:**

**Immunogen:** K16-16 mAb was generated by immunizing BALB/c mice with acetyl aminofluorene-substituted guanosine (Le Guernet et al, 1984). RNA derived from this hybridoma clone was then used to construct a phage display library and was selected for by its affinity for AAF-labelled sonicated salmon sperm DNA in an ELISA screen.

**Specificity:** K16-16 binds to AAF-labelled DNA. AAF is used to label DNA and RNA by binding covalently at the C8 position of guanines; AAF can then be detected using anti-AAF antibodies.

**Application Notes:** K16-16 was used to construct a recombinant conjugate by fusing PhoAv bacterial phosphatase. The conjugate was used for one-step immunodetection of DNAs and RNAs in dot-blot, colony and plaque hybridization and in Southern/northern blot hybridization. It has also been used to detect PCR products.

**Antibody First Published in:** Muller et al. Recombinant single-chain Fv antibody fragment-alkaline phosphatase conjugate for one-step immunodetection in molecular hybridization. *J Immunol Methods*. 1999 Jul 30;227(1-2):177-85. [PMID:10485265](#)

**Note on publication:** Describes the construction of a phage display library and the conjugation of the anti-AAF scFv to PhoAv by recloning the scFv gene into the fusion vector pLIP6v and by producing the resulting scFv-PhoAv hybrid protein in *E. coli*. This was then shown to be used as a one-step method for immunodetection.

## 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.