

# *ImmunoBioScience Corp. (IBSC)*

*DATA SHEET*

## **Amino ethyl carbazole (AEC)**

**Catalog number:** AR-8201-01 Reagent B: Concentrated Buffer: 5 ml

Reagent C: Chromogen: 2.5 ml

Reagent: S: Substrate: 3 ml

**Description:** Peroxidase chromogen-substrate 3-amino-9-ethyl-carbazole (AEC) is an excellent chromogen system that is used in Immunohistochemistry (IHC) and Immunocytochemistry (ICC). This chromogen system gives bright red color and is very compatible with hematoxylin nuclear counterstain. This chromogen is soluble in alcohol and organic solvents therefore cannot be mounted with organic mounting medium. We recommend our aqueous mounting medium ImmunoHistoMount (IHM), cat # AR-6503 for mounting of this chromogen.

**Intended Use:** Immunohistochemistry (IHC) and Immunocytochemistry (ICC)

**Storage:** 2-8°C

**Mixing of reagent:** (*THIS KIT CONTAINS approximately 166 X CHROMOGEN, When diluted will make approx. 425 ml*)

1. To 5 ml of distilled or deionized water in a test tube, add two drop of reagent B buffer, mix well.
2. Add one drop of reagent C chromogen, mix well.
3. Add one drop of reagent S substrate, mix well. This ready to use reagent is good for several hours. *The unused AEC solution can be discarded according to city, county, state, province or country's regulations.*

**Application:** IHC, ICC

1. After the peroxidase reaction, wash slide with buffer (this buffer should not contain any sodium azide because peroxidase is inactivated), and distilled/deionized water.
2. Add few drops of ready to use AEC reagent, incubate at RT or 37°C for 5-10 minutes.
3. Wash 2-5X with buffer, followed by rinsing with distilled/deionized water.
4. Add counterstain compatible with AEC, we use hematoxylin 30-60 seconds (cat. # AR-6521).
5. Wash with tap water, buffer pH 7.4 or over, followed by rinsing with distilled/deionized water.
6. Mount slide with aqueous mounting medium, we use our IHM (cat.# AR-6503) please follow the protocol for mounting medium.

*The optimum time of incubation for AEC should be determined by the individual lab.*

**Limitation and warranty:** Our warranty is limited to the actual price paid for the product. We are not liable for any property damage, personnel injury, time, effort or economic loss due to our product.

**MSDS:** Avoid skin and eye contact with all laboratory products. Use appropriate lab. gear, lab coat, gloves and safety glasses. Do not ingest any lab. products. This product is not approved for administration in human or animals.

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