

Technical Data Sheet

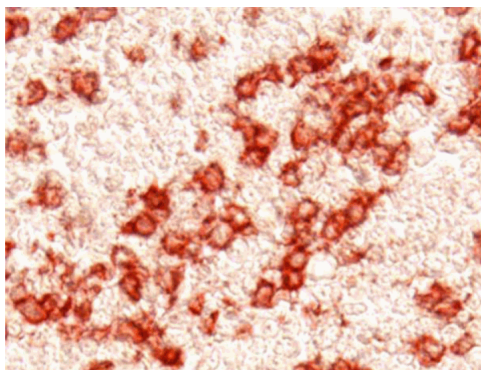
AEC Substrate Kit

Product Information

Material Number:	551015
Size:	500 Tests
Component:	51-7604KC
Description:	AEC Chromogen (component of AEC substrate Kit)
Size:	1.5 mL (1 ea)
Component:	51-7603KC
Description:	AEC buffer (component of AEC substrate Kit)
Size:	50 mL (1 ea)

Description

3-Amino-9-Ethylcarbazole (AEC) is a substrate for peroxidase and is a widely used chromogen for immunohistochemical staining and immunoblotting. In the presence of peroxidase enzyme, AEC produces a red end product that is soluble in alcohol and therefore must be used with an aqueous counterstain and mounting media.



Immunohistochemical staining with AEC substrate.
Formalin-fixed paraffin sections of human tonsil were reacted with the anti-human CD45RO antibody and the color developed using Streptavidin-Horse Radish peroxidase and AEC substrate. Counterstain used is contrast green. Magnification 40x.

Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Immunohistochemistry	Routinely Tested
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Recommended Assay Procedure:

Immunohistochemistry: Just before staining add one drop of AEC chromogen for every 1 mL of AEC buffer. Apply the AEC substrate reagent to the sections after incubation with horseradish peroxidase and washing is complete. Incubate sections with AEC reagent for 5-20 minutes or until the desired color intensity is obtained. Use the AEC substrate reagent within 20 minutes of mixing.

Warning: AEC buffer (component 51-7603KC) contains 7.99% methanol (w/w).

Hazard statements

Combustible liquid.

Harmful if swallowed.

May be harmful in contact with skin.

May cause damage to organs.

Precautionary statements

Wear protective gloves / eye protection.

Wear protective clothing.

Avoid breathing mist/vapours/spray.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

IF ON SKIN: Wash with plenty of water.

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Warning: AEC Chromogen (component 51-7604KC) contains 97.8% N,N-dimethylformamide (w/w).

Hazard statements

Flammable liquid and vapour.

Harmful if inhaled.

Causes serious eye irritation.

May damage fertility or the unborn child.

Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Wear protective clothing / eye protection.

Wear protective gloves.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Product Notices

1. Please refer to www.bdbiosciences.com/pharming/en/protocols for technical protocols.

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