



PRODUCT DATA SHEET

HIGHDEF[®] IHC chromogen substrate (DAB, stable)

ADI-950-212

Product Number/Sizes

ADI-950-212-0200 200 ml

The HIGHDEF[®] IHC chromogen substrate (DAB, stable) can be used in conjunction with peroxidase-based immunostaining systems. Peroxidase from the antibody detection system reacts with hydrogen peroxide substrate to degrade it, which then reacts with DAB, precipitating it at positive sites yielding a dark brown color.

Product Specifications

APPLICATIONS:	IHC
KIT/SET CONTAINS:	HIGHDEF [®] IHC chromogen substrate (DAB, stable) chromogen solution and substrate buffer, Empty mixing bottle
SHIPPING:	Blue Ice Not Frozen
LONG TERM STORAGE:	+4°C
SCIENTIFIC BACKGROUND:	3,3'-Diaminobenzidine (DAB), a widely used chromogen for immunoperoxidase staining, is well accepted among pathologists because of its increased sensitivity and decreased background when compared to amino ethyl carbazole (AEC). Specimens stained with DAB can be dehydrated, cleared, and mounted for permanent record keeping. HIGHDEF [®] IHC chromogen substrate (DAB, stable) is more sensitive and stable than traditional working DAB solutions.
TECHNICAL INFO/PRODUCT NOTES:	Interpretation of the results will be the sole responsibility of the user.

Application Note:

Compatibility of POLYVIEW[®] IHC Detection Reagents and HIGHDEF[®] IHC Chromogens with Automated IHC Slide Stainers

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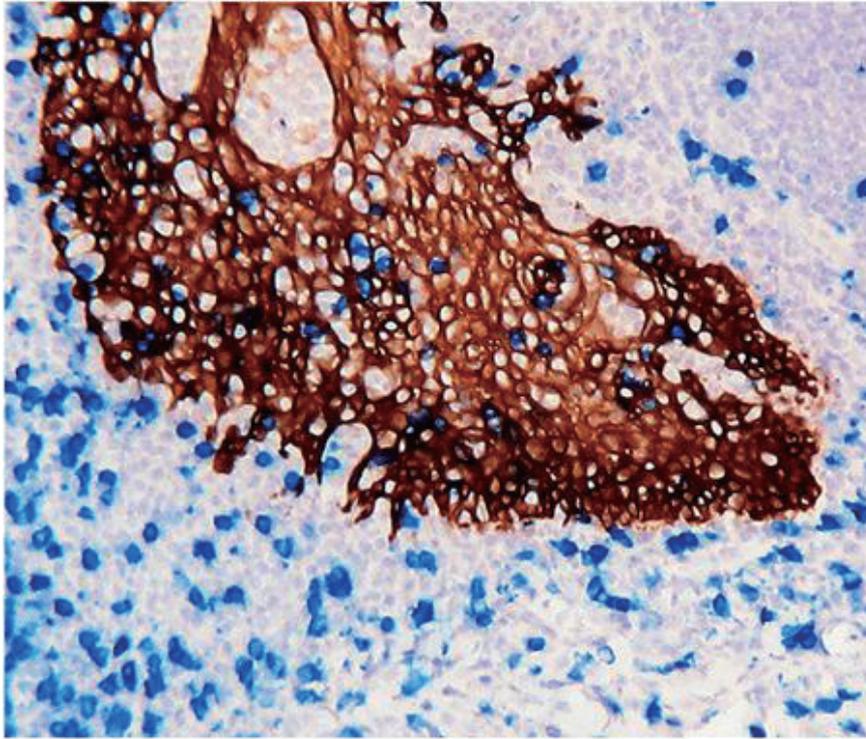
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Immunohistochemistry analysis using MULTIVIEW[®] (mouse-HRP/mouse-AP) IHC kit (Prod. No. ADI-950-101): Formalin fixed paraffin embedded human tonsil double stained sequentially with a CK 5/14 mouse antibody, labeled with POLYVIEW[®] IHC reagent (mouse-HRP) (Prod. No. ADI-950-112), seen with HIGHDEF[®] IHC substrate (DAB, stable) (Prod. No. ADI-950-212); then a CD8 mouse antibody labeled with POLYVIEW[®] IHC reagent (mouse-AP) (Prod. No. ADI-950-110), seen with HIGHDEF[®] blue IHC chromogen (AP) (Prod. No. ADI-950-150) to produce a contrasting brown and blue image.

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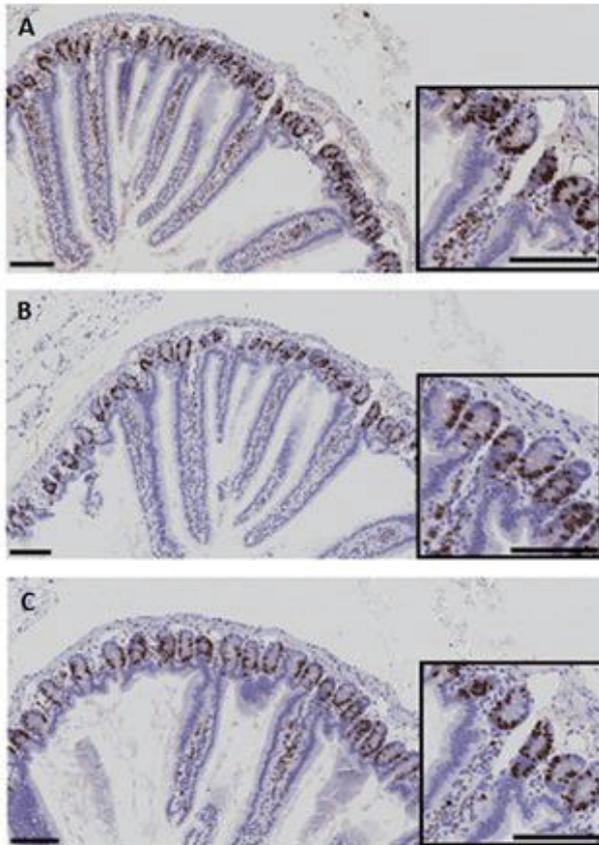
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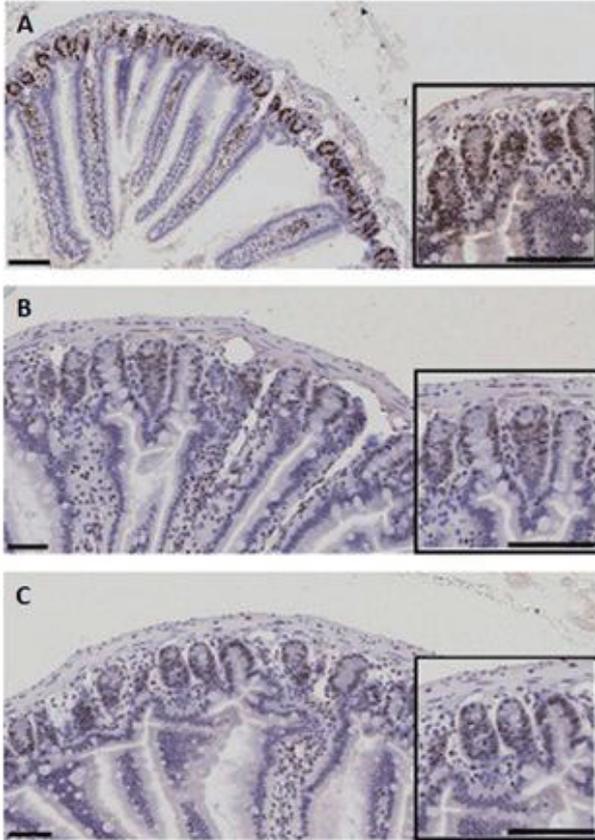
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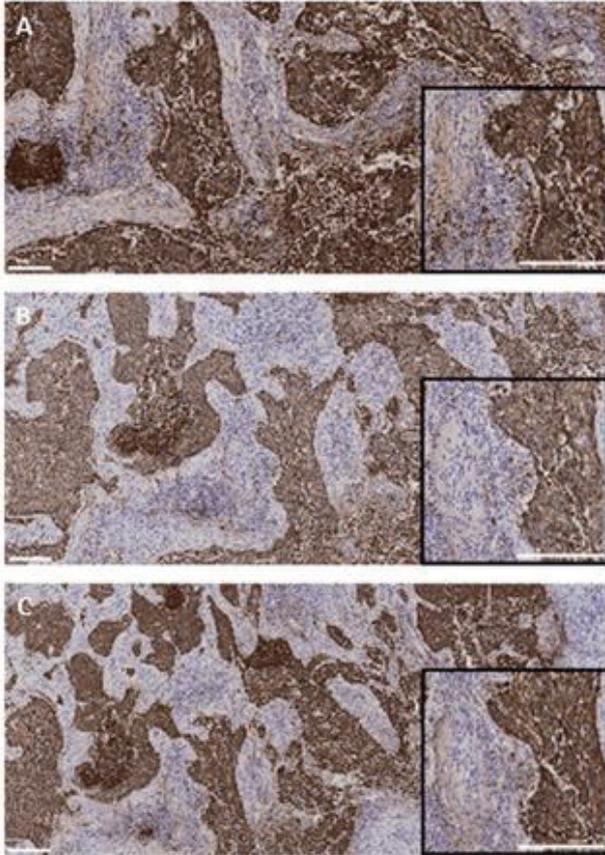
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Expression of Ki67 in mouse intestine. Immunohistochemistry staining of Ki67 (A, B, C) in formalin-fixed paraffin-embedded mouse intestine using POLYVIEW[®] IHC reagent (rabbit-HRP) (Prod. No. ADI-950-115) and HIGHDEF[®] IHC chromogen substrate (DAB, stable) (Prod. No. ADI-950-212) from Enzo Life Sciences (A), Dako (B), and Vector Labs (C).



Expression of p53 in mouse intestine. Immunohistochemistry staining of p53 (A, B, C) in formalin-fixed paraffin-embedded mouse intestine using POLYVIEW[®] IHC reagent (rabbit-HRP) (Prod. No. ADI-950-115) and HIGHDEF[®] IHC chromogen substrate (DAB, stable) (Prod. No. ADI-950-212) from Enzo Life Sciences (A), Dako (B), and Vector Labs (C).



Expression of pan-cytokeratin in human lung carcinoma. Immunohistochemistry staining of pan-cytokeratin (A, B, C) in formalin-fixed paraffin-embedded human lung carcinoma using POLYVIEW[®] IHC reagent (mouse-HRP) (Prod. No. ADI-950-112) and HIGHDEF[®] IHC chromogen substrate (DAB, stable) (Prod. No. ADI-950-212) from Enzo Life Sciences (A), Dako (B), and Vector Labs (C).

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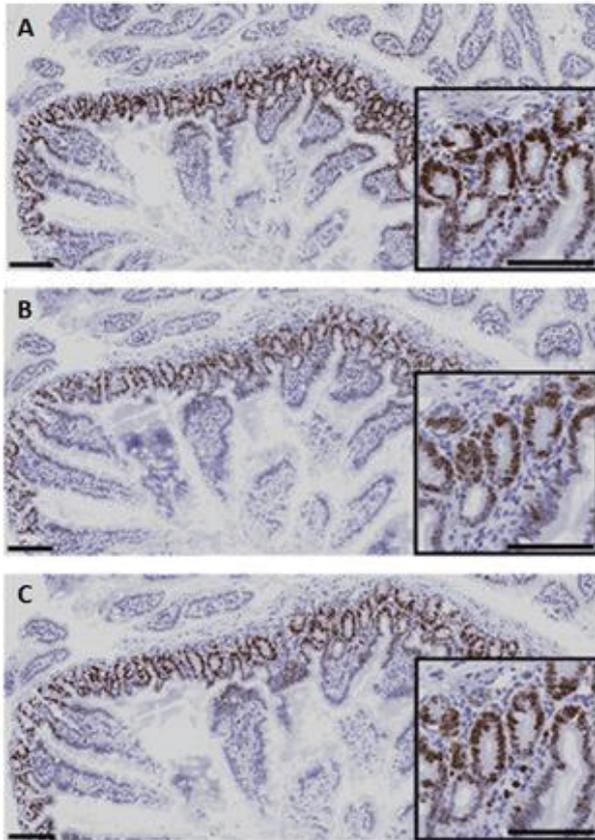
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Expression of BrdU in mouse intestine. Immunohistochemistry staining of BrdU (A, B, C) in formalin-fixed paraffin-embedded mouse intestine using POLYVIEW[®] IHC reagent (mouse-HRP) (Prod. No. ADI-950-112) and HIGHDEF[®] IHC chromogen substrate (DAB, stable) (Prod. No. ADI-950-212) from Enzo Life Sciences (A), Dako (B), and Vector Labs (C).

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