



Substrates for Immunohistochemistry						
Substrate	Format	Enzyme Reporter	Features	Sensitivity	Signal Color	Product #
Metal Enhanced DAB	2-Component Reagent Kit	HRP-Peroxidase	50 times more sensitive than DAB without enhancement	Highest	Brown-black precipitate	34065
1-Step TMB	Single Step, Ready-to-Use Reagent	HRP-Peroxidase	Low background for high sensitivity	High	Dark blue precipitate	34018
1-Step 4-CN	Single Step, Ready-to-Use Reagent	HRP-Peroxidase	Low background for high sensitivity	High	Blue-purple precipitate	34012
CN/DAB	2-Component Reagent Kit	HRP-Peroxidase	Low background for high sensitivity	High	Black precipitate	34000
DAB	Dry Powder	HRP-Peroxidase	Can be formulated	Medium	Brown precipitate	34001
1-Step NBT/BCIP	Single Step, Ready-to-Use Reagent	Alkaline Phosphatase	Low background for high sensitivity	High	Black-purple precipitate	34042
1-Step NBT/BCIP + Suppressor	Single Step, Ready-to-Use Reagent	Alkaline Phosphatase	Contains levamisole for inhibition of endogenous peroxidases	High	Black-Purple precipitate	34070
BCIP	Dry Powder	Alkaline Phosphatase	Can be formulated	Medium	Blue-purple precipitate	34040
NBT	Dry Powder	Glucose Oxidase & Alkaline Phosphatase	Non-carcinogenic	Medium	Blue-purple precipitate	34035
X-Gal	Dry Powder	β -Galactosidase	detect vectors, plasmids or DNA fragments that express the β -Gal gene	High	indigo precipitate	34050
IPTG	Dry Powder	β -Galactosidase	detect vectors, plasmids or DNA fragments that express the β -Gal gene	High	Blue-purple precipitate	34060