

Title (en)

COMPOSITIONS FOR THE DETECTION OF ENZYME ACTIVITY IN BIOLOGICAL SAMPLES AND METHODS OF USE THEREOF

Title (de)

ZUSAMMENSETZUNGEN FÜR DEN NACHWEIS VON ENZYMAKTIVITÄT IN BIOLOGISCHEN PROBEN UND ENTSPRECHENDE VERFAHREN

Title (fr)

COMPOSITIONS POUR LA DETECTION DE L'ACTIVITE ENZYMATIQUE DANS DES ECHANTILLONS BIOLOGIQUES ET LEURS PROCEDES D'UTILISATIONS

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Application

EP 00961782 A 20000911

Priority

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Abstract (en)

[origin: WO0118238A1] The present invention provides for novel reagents whose fluorescence increases in the presence of particular proteases. The reagents comprise a characteristically folded peptide backbone conjugated to two fluorophores such that the fluorophores are located opposite sides of a cleavage site. When the folded peptide is cleaved, as by digestion with a protease, the fluorophores provide a high intensity fluorescent signal at a visible wavelength. Because of their high fluorescence signal in the visible wavelengths, these protease indicators are particularly well suited for detection of protease activity in biological samples, in particular in frozen tissue sections. Thus this invention also provides for methods of detecting protease activity <i>in situ</i> in frozen sections.

IPC 1-7

C12Q 1/37; **G01N 21/00**; **G01N 21/76**; **A61K 38/00**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- See references of WO 0118238A1

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