



Sigma-Aldrich presents:

Duolink Reagents for Localization and Quantitation of Protein-Protein Interactions

Tervetuloa Sigma-Aldrich:n luennoille kuulemaan Duolink teknologiasta proteiini-proteiini interaktion tutkimiseen

INNOVATIVE TECHNOLOGIES FOR LIFE SCIENCE RESEARCH

Duolink reagents are based on in situ proximity ligation assay (PLA) technology, which enables researchers to detect and individually count single endogenous proteins, protein-protein interactions and their modifications in fixed cells and tissues with a fast and simple protocol. Duolink allows the user to combine any pair of immunofluorescence or immunohistochemistry validated antibodies to fit their unique application, and the read-out is performed either with a fluorescent probe, for fluorescence microscopy, or HRP for brightfield detection. The resulting distinct spots are derived from single-molecule events which are visualized using a standard microscope. Single proteins, protein-protein interactions (including homodimerization events), and protein post-translational modifications are visualized in fixed cells and tissue samples with very high specificity in their correct cellular context at physiologically relevant expression levels even for transient events. Hence, the Duolink assay is a very advantageous choice for unraveling important biological events when compared to traditionally used technologies such as Co-IP.

Date: Tuesday, March 17th, 2015

Time: 12:00 – 13:00

Location: Seminar room H108, Aapistie 7A.

For further information please contact:

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