ImmunoTools IT-Box-139 Award 2012

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Regulation of the tumor marker Fascin by the oncoprotein Tax of the human T-cell-lymphotropic virus type 1 (HTLV-1)

My PhD project is about the actin bundling protein Fascin that is important for the invasion of malignant cells and it is specifically upregulated by Tax, an oncoprotein of the human T-cell-lymphotropic virus type 1(HTLV-1). We found out that stimulation of primary peripheral blood mononuclear cells (PBMC) leads to increased Fascin expression. As PBMCs consist of several cell types, the cell population responsible for the expression remains to be determined. Therefore, we want to stain the specific cell populations using cell-type-specific antibodies followed by flow cytometry. To allow simultaneous staining of Fascin, T-cells, B-cells and dendritic cells, we need a panel of antibodies that can be detected in different filters. Our project aims at finding novel functions of the migration factor Fascin in immune cells.

ImmunoTools IT-Box-139 for Caroline Mohr includes 100 antibodies

FITC - conjugated anti-human CD1a, CD3, CD4, CD5, CD6, CD7, CD8, CD14, CD15, CD16, CD19, CD21, CD25, CD29, CD35, CD36, CD41a, CD42b, CD45, CD45RA, CD45RB, CD45RO, CD49d, CD53, CD57, CD61, CD63, CD80, CD86, HLA-DR, IL-6, Control-IgG1, Control-IgG2a, Control-IgG2b, Annexin V

PE - conjugated anti-human CD3, CD4, CD8, CD11b, CD15, CD14, CD18, CD19, CD20, CD21, CD22, CD31, CD33, CD38, CD40, CD45, CD45RB, CD50, CD52, CD56, CD58, CD62p, CD72, CD95, CD105, CD147, CD177, CD235a, HLA-ABC, IL-6, Control-IgG1, Control-IgG2a, Control-IgG2b, Annexin V

PE/Dy647 -tandem conjugated anti-human CD3, CD4, CD8, CD14, CD19, CD20, CD25, CD54

APC -conjugated anti-human CD2, CD3, CD4, CD8, CD10, CD11a, CD11c, CD14, CD16, CD27, CD37, CD42b, CD44, CD45, CD59, CD62L, CD69, CD71, IL-6, Control-IgG1, Control-IgG2a, Control-IgG2b, Annexin V

DETAILS