

Binding to Extracellular Matrix (ECM) components

Adherence to 1 μg of the extracellular matrix components assay performed using 0.1 μM of the passenger domain (recombinant protein) of Eaa. Readings were taken at 492 nm. Values represent the average of each experiment.

	Extracellular matrix components tested										
	Fetuin	BSA	Vitronectin	Fibrinogen	Plasma fibronectin	Cellular fibronectin	Type I collagen	Type III collagen	Type IV collagen	Type V collagen	Laminin
Assay 1	0.076	0.185	0.198	0.269	0.550	0.477	0.254	0.451	0.230	0.670	0.288
Assay 2	0.069	0.192	0.205	0.286	0.549	0.517	0.264	0.453	0.223	0.716	0.266
Assay 3	0.079	0.200	0.205	0.312	0.532	0.490	0.263	0.429	0.266	0.774	0.312
	Mean between all assays										
	0.075	0.192	0.203	0.289	0.544	0.495	0.260	0.444	0.240	0.720	0.289
	Standard error of mean										
	0.003	0.004	0.002	0.013	0.006	0.012	0.003	0.008	0.013	0.030	0.013

Adherence of distinct concentrations of the passenger domain (recombinant protein) of Eaa to 1 μg of both cellular and plasma fibronectin. Fetuin was employed as a negative control. Values represent the average of the readings for each experiment that were taken at 492 nm \pm standard deviation.

Eaa (μM)	Fetuin				Cellular fibronectin				Plasma fibronectin			
	Assay 1	Assay 2	Assay 3	Mean	Assay 1	Assay 2	Assay 3	Mean	Assay 1	Assay 2	Assay 3	Mean
0	0.067	0.062	0.063	0.064 \pm 0.003	0.134	0.138	0.135	0.136 \pm 0.002	0.174	0.186	0.174	0.178 \pm 0.007
0.03125	0.084	0.065	0.076	0.075 \pm 0.010	0.153	0.149	0.178	0.160 \pm 0.016	0.199	0.201	0.214	0.205 \pm 0.008
0.0625	0.072	0.066	0.064	0.067 \pm 0.004	0.154	0.161	0.159	0.158 \pm 0.004	0.205	0.221	0.217	0.214 \pm 0.008
0.125	0.081	0.069	0.075	0.075 \pm 0.006	0.166	0.173	0.205	0.181 \pm 0.021	0.238	0.247	0.257	0.247 \pm 0.010
0.25	0.093	0.068	0.079	0.080 \pm 0.013	0.214	0.209	0.209	0.211 \pm 0.003	0.280	0.296	0.250	0.275 \pm 0.023
0.5	0.083	0.066	0.070	0.073 \pm 0.009	0.261	0.254	0.286	0.267 \pm 0.017	0.366	0.382	0.360	0.369 \pm 0.011
1	0.088	0.079	0.091	0.086 \pm 0.006	0.395	0.393	0.414	0.401 \pm 0.012	0.497	0.551	0.528	0.525 \pm 0.027
2	0.112	0.116	0.117	0.115 \pm 0.003	0.628	0.658	0.681	0.656 \pm 0.027	0.914	0.890	0.871	0.892 \pm 0.022

Adherence of distinct concentrations of the passenger domain (recombinant protein) of Eaa to 1 μg of the F30 (heparin binding domain) and F45 (gelatin binding domain) of fibronectin. Values represent the average of the readings for each experiment that were taken at 492 nm \pm standard deviation. The missing value at the assay 3 using F45 represents an outlier.

	F30 – Heparin Binding Domain (HBD)				F45 – Gelatin Binding Domain (GBD)			
	Assay 1	Assay 2	Assay 3	Mean	Assay 1	Assay 2	Assay 3	Mean
0	0.083	0.081	0.079	0.081 \pm 0.002	0.079	0.077	0.079	0.078 \pm 0.001
0.03125	0.125	0.115	0.115	0.118 \pm 0.006	0.088	0.080	-	0.084 \pm 0.006
0.0625	0.159	0.158	0.156	0.158 \pm 0.002	0.085	0.078	0.085	0.083 \pm 0.004
0.125	0.230	0.239	0.234	0.234 \pm 0.005	0.147	0.091	0.094	0.111 \pm 0.032
0.25	0.393	0.386	0.386	0.388 \pm 0.004	0.091	0.112	0.086	0.096 \pm 0.014
0.5	0.583	0.712	0.673	0.656 \pm 0.066	0.127	0.128	0.104	0.120 \pm 0.014
1	0.972	0.820	0.908	0.900 \pm 0.076	0.198	0.187	0.146	0.177 \pm 0.027
2	1.171	1.136	1.145	1.151 \pm 0.018	0.326	0.372	0.295	0.331 \pm 0.039