

How does "immunostaining" differ from IHC, IF, Flow cytometry, etc.

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Immunostaining is a broad term used on Selector for when it isn't clear which specific antibody-based technique was used in the literature

In the literature, immunostaining is typically used as an umbrella term for experiments that use antibodies to detect your protein of interest. When papers mention *immunostaining*, they could be referring to *immunohistochemistry*, *immunofluorescence*, *flow cytometry*, and more. In early versions of Selector, if paper authors didn't give more details than just *immunostaining*, that's how those data were sorted in our database.

We've since trained our *image recognition machine learning* technology to more precisely interpret and reclassify the *immunostaining* figures and label them with a more specific and meaningful technique (e.g. *IHC*, *IF*, *FCy*) when possible. This way, you get the most relevant figures and antibodies for your experiment. This is just another way ASCEND is empowering scientists to run better experiments.