








# Anti- Human Carboxypeptidase (CA2)

					
PURE	CPAPU	1 mg	10 µL/test	1 mg/ml	
APC	CPAA-100T	100 test	20 µL/test	0,05 mg/ml	

## 1. PRODUCT DESCRIPTION

**Clone:** CA2;  
**Isotype:** IgG2a;  
**Tested application:** flow cytometry;  
**Immunogen:** Skin Carboxypeptidase;  
**Species reactivity:** Human;  
**Storage instruction:** store in the dark at 2-8 °C;  
**Storage buffer:** aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN<sub>3</sub>);  
**Recommended usage:** Immunostep's Carboxypeptidase, clone CA2, is a monoclonal antibody intended for the identification and enumeration of carboxypeptidase A using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 1 test for 10<sup>6</sup> cells;  
**Presentation:** liquid;  
**Source:** Supernatant proceeding from an in vitro cell culture of a cell hybridoma;  
**Purification:** Affinity chromatography;  
**Other names:** CPA, Carboxypolypeptidase;  
**Gene ID:** I358;  
**Molecular weight:** 47 kDa.

## 2. ANTIGEN DETAILS

**Large description:** This antibody reacts with human Carboxypeptidase A of mast cells, also known as CPA. This antibody has been used as clasification and prognosis of Systemic Mastocytosis by Flow Cytometry. Mastocytosis is a heterogeneous group of clonal mast cell (MC) disorders characterized by abnormal proliferation and accumulation of MCs in 1 or multiple tissues. Most frequently, clonally expanded MCs carry the D816V or other activating stem cell growth factor receptor gene (KIT) mutations, which translate into morphologic atypia, functional transformation, and an aberrant immunophenotype.<sup>(1)</sup>

## 3. WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties.

Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

## 4. ADDITIONAL INFORMATION

For research use only. Not for diagnostic use.

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## 5. REFERENCES

- Teodosio C, Garcia-Montero AC, Jara-Acevedo M, Sanchez-Munoz L, Alvarez-Twose I, Nunez R, et al. Mast cells from different molecular and prognostic subtypes of systemic mastocytosis display distinct immunophenotypes. J Allergy Clin Immunol Mar;125(3):719-26, 26 el-26 e4.

## 6. EXPLANATION OF SYMBOLS

	Form
	Catalog reference
	Contains sufficient for <n> test
	Quantity per test
	Regulatory Status
	Research Use Only
	Concentration
	Manufacturer

## 7. MANUFACTURED BY:

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