

Basophils antibody [2D7]

Cat. No. GTX54490

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	WB, ICC/IF, IHC-P, IHC-Fr, FCM
Reactivity	Human

Package

50 µg

PRODUCT

Summary

The 2D7 antibody can be used as a sensitive and precise marker for human basophils- and does not react with lymphocytes, monocytes, eosinophils, neutrophils- or mast cells in immunohistochemistry.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	Assay dependent
ICC/IF	Assay dependent
IHC-P	Assay dependent
IHC-Fr	Assay dependent
FCM	Assay dependent

Note : A reduced sample treatment and SDS-Page was used.

Cytospin preparations were fixed in methanol for 15 min, incubated in methanol containing 0.6% H₂O₂, for 30 min to block endogenous peroxidase, washed in dH₂O, incubated with goat serum (1/500 dilution) for 2 h to block nonspecific staining. Blocked slides were washed with TTBS, pH7.4.

Fresh surgical tissues were fixed in Carnoy's fluid for 24 h and transferred to absolute ethanol. Tissues were embedded in paraffin, and 4- µm sections were prepared. Tissue sections were dewaxed in xylene and rehydrated in graded ethanol solutions. Endogenous peroxidase was inhibited.

Sections were fixed in either 10% NBF or Carnoy's fluid for 15 minutes at RT. NBF-fixed tissue sections were digested with 0.1% protease in TTBS for 20 min at RT. Endogenous peroxidase activity was inhibited by methanol with 0.6% H₂O₂ for 30 min at RT. Blocked by incubation in horse serum at 1:20 dilution in TTBS for 1 hr at RT. 2D7 at a 1:300 dilution in TTBS overnight at 4 ° C or with a murine mAb of undetermined specificity (MOPC31-C) as a negative control.

Not tested in other applications.

Product Note

This antibody stains the extracellular domain of basophils.

Properties

Form	Liquid
Buffer	Filter-sterilized PBS, 0.1% BSA



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Preservative	0.02% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C.
Concentration	100 µg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Lysate of purified basophils
Purification	Purified IgG1
Conjugation	Unconjugated
Note	<p>For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.</p> <p>Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.</p>



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