

## PE anti-human CD120b Antibody

<b>Catalog# / Size</b>	312407 / 25 tests 312408 / 100 tests
<b>Clone</b>	A22092I
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	TNFRSF1B, p75, p75TNFR, TNFR2, TNFR80, TBPII
<b>Isotype</b>	Mouse IgG2b, $\kappa$
<b>Description</b>	CD120b, also known as TNFR2 or TNFRSF1B, belongs to the TNF receptor superfamily and can interact with ligands TNF- $\alpha$ and TNF- $\beta$ (also known as LT- $\alpha$ ). It is a 75 kD type I transmembrane protein expressed on lymphocytes, monocytes, and granulocytes. When present in a heterocomplex with CD120a, it induces the recruitment of anti-apoptotic molecules, c-IAP1 and c-IAP2, which possess E3 ubiquitin ligase activity. Mutations in CD120b are associated with TNF-associated periodic syndrome (TRAPS) or periodic fever syndrome.

### Product Details

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<b>Verified Reactivity</b>	Human
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Immunogen</b>	CD120b recombinant protein
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions.
<b>Concentration</b>	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our <a href="#">Certificate of Analysis</a> online tool.)
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is 5 $\mu$ L per million cells in 100 $\mu$ L staining volume or 5 $\mu$ L per 100 $\mu$ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Excitation Laser</b>	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)

### Antigen Details

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<b>Structure</b>	75 kD, type I transmembrane protein, member of the TNF-receptor superfamily, forms a heterocomplex with TNFR1
<b>Distribution</b>	Expressed on cells of hematopoietic lineage including monocytes, lymphocytes, and granulocytes
<b>Function</b>	When complexed with TNFR1, recruits anti-apoptotic molecules c-IAP1 and c-IAP2 which possess E3 ubiquitin ligase activity; cysteine rich extracellular region
<b>Interaction</b>	Interacts with TTRAP and TRAF2

<b>Ligand/Receptor</b>	TNF- $\alpha$ and TNF- $\beta$ (LT- $\alpha$ )
<b>Cell Type</b>	Granulocytes, Lymphocytes, Monocytes
<b>Biology Area</b>	Cell Biology, Immunology, Innate Immunity, Neuroinflammation, Neuroscience, Transcription Factors
<b>Molecular Family</b>	CD Molecules

#### Antigen References

1. Andrews JS, *et al.* 1990. *J Immunol.* 144:2582-91.
2. Nophar Y, *et al.* 1990. *EMBO J.* 9:3269-78.
3. Kohno T, *et al.* 1990. *Proc Natl Acad Sci USA.* 87:8331.
4. Tartaglia LA, *et al.* 1991. *Proc Natl Acad Sci USA.* 88:9292.
5. Hijdra D, *et al.* 2012. *J Inflamm (Lond).* 9:38.
6. Chen X, *et al.* 2013. *J Immunol.* 190:1076-84.

**Gene ID** [7133](#)

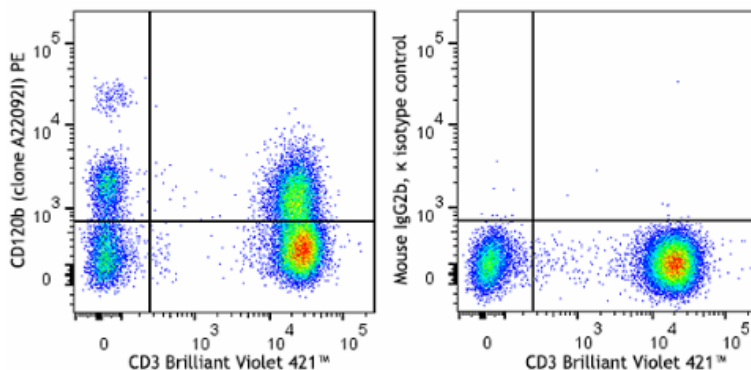
## Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

## Other Formats

Purified anti-human CD120b, PE anti-human CD120b

## Product Data



Human peripheral blood mononuclear cells were stained with anti-human CD3 (clone UCHT1) Brilliant Violet 421™ and anti-human CD120b (clone A22092I) PE (left) or mouse IgG2b,  $\kappa$  PE isotype control (right). Data shown was gated on lymphocytes.

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